

**COUNTY OF SAN MATEO AGREEMENT WITH INDEPENDENT CONTRACTOR
FOR PROFESSIONAL SERVICES
AGREEMENT NO. CMO 03 10A**

This Agreement entered this 18th day of November, 2003, by and between the County of San Mateo, a political subdivision of the State of California, hereinafter called "County" and Kleinfelder, Inc., hereinafter called "Contractor".

W I T N E S S E T H

WHEREAS, the County has the authority to engage independent Contractors to perform sundry services for the County, with or without the furnishing of materials; and

WHEREAS, it is necessary and desirable that Contractor be engaged by County for the purpose of performing services and/or purchasing material hereinafter described:

IT IS AGREED BETWEEN THE COUNTY AND CONTRACTOR as follows:

1. Scope of Work. Contractor shall provide all labor, material, and incidentals, in accordance with the terms of this Agreement, necessary to:

Provide geotechnical construction observation and testing for the San Mateo County Youth Services Center, as further described in attached Exhibit "A", Contractors Proposal dated October 13, 2003, and including the Crystal Springs site, as further described in attached Exhibit "B", Contractors Proposal dated October 16, 2003.

2. Term and Schedule. The term of the contract is from November 1, 2003 through November 1, 2006. Work is to be coordinated and scheduled per the construction schedule issued by Turner Construction Co.

3. Payments. In consideration of the services rendered in accordance with the terms, conditions and specifications set forth herein and in attached exhibits, if any, County shall make payment to Contractor as follows:

The total contract amount is \$242,200. Payment will be on a time and material basis, not to exceed \$173,400 for the San Mateo County Youth Services Center and not to exceed \$68,800 for the Crystal Springs site, as further described in attached Exhibits "A", "B", and "C", Kleinfelder 2003 Fee Schedule. Payment will be made upon receipt of an invoice and acceptance of work by the County.

4. Changes. County may require changes in the scope of services to be performed by Contractor under this Agreement and Contractor agrees to perform said changes. Such changes, including any increase or decrease in the Contractor's fee, shall be made by written amendment to the Agreement and such amendment shall be issued prior to commencing with the changes. Changes to this Agreement will be paid for at a lump sum amount agreed to by the parties or at an amount based on the actual labor hours and expenses incurred in the performance of the change as directed by the County.

5. Relationship of the Parties. It is understood that this is an Agreement by and between County and Contractor and is not intended to, and shall not be construed to, create the relationship of agent, servant, employee, partnership, joint venture, or any other relationship whatsoever other than that of independent contractor.

6. Non-Assignability. Contractor shall not assign this Agreement or any portion thereof to a third party without the prior written consent of County. Contractor shall not employ subcontractors or consultants to carry out the responsibilities undertaken pursuant to this Agreement without the prior written consent of the County. All assignees, subcontractors, or consultants approved by the County shall be subject to the same terms and conditions applicable to Contractor under this Agreement, and Contractor shall be liable for the assignee's, subcontractor's, or consultant's act and/or omissions. All agreements between Contractor and subcontractor and/or assignee for services pursuant to this Agreement shall be in writing and a copy shall be provided to the County.

7. Termination of Agreement. Either party may terminate this Agreement after giving the other party written notice of a violation of this Agreement and the violating party does not correct the violation within fifteen calendar days after receiving said notice. Said notice shall specify what work other than correcting the violation may be performed after receipt of such notice. Violations of this Agreement include failure to perform obligations required by this Agreement in a timely and proper manner and failure to adhere to the covenants, terms, conditions or stipulations of this Agreement.

In the event of such termination for cause, all finished or unfinished documents, data, studies, surveys, drawings, reports, and specifications prepared by Contractor shall, at the option of the County become the property of County, and Contractor shall be entitled to receive just and equitable compensation for work completed in accordance with this Agreement. Notwithstanding the above, Contractor shall not be relieved of any liability to County for damages sustained by County by reason of Contractor's breach of this Agreement and County may withhold any and all payments to Contractor until such time as the exact amount of damages due the County from Contractor has been determined.

County may terminate this Agreement at any time without cause upon ten calendar days written notice to Contractor, and thereupon all documents, data, studies,

surveys, drawings, estimates, reports and specifications prepared by Contractor shall become the property of County and subject to payment therefore be delivered to County upon demand. Said notice shall specify what work may be performed after receipt of such notice. In the event of such termination by County without cause, County shall pay Contractor for services actually performed pursuant to this Agreement prior to the date of termination.

8. Hold Harmless. The Contractor shall indemnify and hold harmless the County, its officers, agents, employees, and servants from all claims, suits or actions of every name, kind and description, including those of third parties, brought as a result of the negligent performance of work required pursuant to this contract. This indemnification and hold harmless shall include but not be limited to all claims, suits, or actions brought for or on account of (1) injuries to or death of any person, including Contractor; or (2) damage to property or any kind whatsoever and to whomsoever belonging; or (3) any other loss or cost as a result of this work.

The duty of the Contractor to indemnify and hold harmless as set forth herein, shall include the duty to defend as set forth in Section 2778 of the California Civil Code, provided, however, that nothing herein shall be construed to require the Consultant to indemnify the County, its officer, agents, employees and servants against any responsibility or liability in contravention of Section 2782 of the California Civil Code.

9. Insurance. The Contractor shall not commence work under this Agreement until all insurance required under this section has been obtained. The Contractor shall furnish County with Certificates of Insurance evidencing the required coverage and there shall be a specific contractual liability endorsement extending the Contractor's coverage to include the contractual liability assumed by the Contractor pursuant to this Agreement. These certificates shall be endorsed to provide thirty calendar days written notice to County of any change in the limits, cancellation or other modification of the insurance.

The Contractor shall have in effect during the entire life of this Agreement, Worker's Compensation and Employer Liability Insurance providing full statutory coverage in accordance with Section 3700 of the California Labor Code which requires every employer to be insured against liability for Worker's Compensation or to undertake self-insurance in accordance with the provisions of the Code.

Contractor shall take out and maintain during the life of this Agreement such Bodily Injury Liability Insurance and Property Damage Liability Insurance as shall protect him while performing work covered by this Agreement from any and all claims for damages for bodily injury, including accidental death, as well as any and all operations under this Agreement, whether such operations are by himself or by any subcontractor or anyone directly or indirectly employed by either of them. Such insurance shall be combined single limit bodily injury and property damage for each occurrence and shall be not less than the amount specified below:

A.	Comprehensive General Liability	\$1,000,000
B.	Motor Vehicle Liability Insurance	\$1,000,000
C.	Professional Liability	\$ 242,200

County and its officers, agents, employees, and servants shall be named as additional insured on any such policies of insurance, except professional liability, which shall also contain a provision that the insurance afforded thereby to the County, its officers, agents, employees, and servants shall be primary insurance to the full limits of liability of the policy, and that if the County or its officers and employees have other insurance against the loss covered by such a policy, such other insurance shall be excess insurance only.

10. Non-Discrimination. Contractor, with regard to this Agreement, shall not discriminate on the grounds of age, ancestry, creed, color, disability, marital status, medical condition, national origin, political or religious affiliation, race, sex, sexual orientation or any other non-job-related criteria. This shall apply to Contractor's organization and in the selection and retention of subcontractors and vendors. In regard to contracts over \$5,000 with respect to the provision of employee benefits, Contractor shall comply with the County Ordinance, which prohibits contractors from discriminating in the provision of employee benefits between an employee with a domestic partner and an employee with a spouse

Violation of the non-discrimination provisions of this Agreement shall be considered a breach of this Agreement and subject the Contractor to penalties to be determined by the County Manager, including but not limited to: i) termination of this Agreement; ii) disqualification of the Contractor from bidding on or being awarded a County contract for a period of up to 3 years; iii) liquidated damages of \$2,500 per violation; iv) imposition of other appropriate contractual and civil remedies and sanctions, as determined by the County Manager.

To effectuate the provisions of this paragraph, the County Manager shall have the authority to: i) examine Contractor's employment records with respect to compliance with this paragraph; ii) set off all or any portion of the amount described in this paragraph against amounts due to Contractor under the Contract or any other Contract between Contractor and County.

Contractor shall report to the County Manager the filing by any person in any court of any complaint of discrimination or the filing by any person of any and all charges with the Equal Employment Opportunity Commission, the Fair Employment and Housing Commission or any other entity charged with the investigation of allegations within 30 days of such filing, provided that within such 30 days such entity has not notified Contractor that such charges are dismissed or otherwise unfounded. Such notification shall include the name of the complainant, a copy of such complaint

and a description of the circumstance. Contractor shall provide County with a copy of its response to the Complaint when filed.

11. Records. Any system or documents developed, produced or provided under this contract shall become the sole property of the County. Contractor shall maintain all required records for three years after the County makes final payment and all other pending matters are closed, and shall be subject to examination and audit of the County, a federal grantor agency, and the State of California.

12. Notices. Notices are valid only if written. Written notice shall be deemed to have been duly served if delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or if delivered at or sent by certified mail to the last business address known to him who gives the notice.

Notices to the County shall be addressed to:

James Sowerbrower, Project Manager
County of San Mateo
County Manager's Office/Capital Projects Division
455 County Center, 5th Floor
Redwood City, CA 94063
Phone: (650) 363-4658 Fax: (650) 363-4832

Notices to Contractor shall be addressed to:

Osama El-Fiky, CE
Project Manager
Kleinfelder, Inc.
7133 Koll Center Parkway, Suite 100
Pleasanton, CA 94566-3101
Phone: (925) 484-1700 Fax: (925) 484-5838

13. Review of Work. It is understood that periodic review of the Contractor's work will be necessary and the right to review is reserved to the County. Contractor agrees to provide County, or any of its duly authorized representatives, access to any and all books, documents, papers, and records which are directly pertinent to this Agreement. Contractor shall maintain all required records for three years after County makes final payments and all other pending matters are closed

14. Interest of Contractor. Contractor covenants that he presently has no interest and shall not acquire any interest, direct or indirect, that would conflict in any manner or degree with the performance of services required to be performed under this Agreement. Contractor further covenants that in the performance of this Agreement no persons having such interest shall be employed.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement by their respective duly authorized agents on the day and year first above written.

COUNTY OF SAN MATEO

By _____
Rose Jacobs-Gibson
President, Board of Supervisors

ATTEST:

Date _____

Clerk, Board of Supervisors

Date: _____

KLEINFELDER, INC.

By *Michael Majchurat*
Print Name *Michael Majchurat*
Title *Regional Manager*
Date *October 26, 2003*



October 13, 2003 (*Revised*)

File No.: 24489/REP

Mr. James Sowerbrower, Capital Projects Manager
County of San Mateo
County Government Center
455 County Center, 5th Floor
Redwood City, California 94063-1663

SUBJECT: Proposal for Geotechnical Construction Observation & Testing for San Mateo Youth Services Center on Tower Road in San Mateo County, California

Dear Mr. Sowerbrower:

As requested by you, we are submitting this revised proposal to your attention at San Mateo County. This proposal should supersede the previous one dated August 1, 2003. No changes were made to the scope or fee of this proposal from the previous one addressed to Turner Construction.

As requested by you, we are presenting this proposal to provide geotechnical services during construction of the new San Mateo Youth Services Center (YSC) in San Mateo County. This proposal provides a scope of services and fee estimate for geotechnical construction observation and testing services for the YSC.

Kleinfelder has submitted the following documents for the site:

- *Geotechnical Investigation Report – San Mateo Youth Services Center – San Mateo County, California dated March 3, 2003,*
- *Geologic and Seismic Hazards Assessment Report – San Mateo Youth Services Center – San Mateo County, California dated February 25, 2003*
- *Asbestos Dust Mitigation Plan - San Mateo Youth Services Center – San Mateo County, California dated June 27, 2003.*

We are currently working on the second phase of the geotechnical investigation of the project for the Crystal Springs Road area and our geotechnical report will be submitted to KMD in the near future

Our geotechnical proposal for the construction of the project is based on discussions of the project with you and the design team and review of the civil plans (bid set) dated July 7, 2003 and structural plans available on the Citadon project web site dated July 29, 2003. No project schedule or project specifications were available at the time we wrote this proposal. As such,

this scope of services and fee estimate reflects our experience on other similar projects. This proposal supercedes our proposal dated September 27, 2002 that was provided to KMD upon their request, and it was based on conceptual information about the project before design was commenced.

Kleinfelder is committed to providing quality service to its clients, commensurate with their wants, needs and desired level of risk. If a portion of the project does not meet your needs, or if those needs have changed, Kleinfelder will consider appropriate modifications, subject to the standards of care to which we adhere as professionals.

PROJECT DESCRIPTION

The project consists of constructing the proposed Youth Services Center along Tower Road in San Mateo County, which will replace the existing Hillcrest Juvenile Hall. Most of the new construction will be in the undeveloped area to the north of the existing juvenile hall and Tower Road. A building will be added to the existing Hillcrest Detention Center south of Tower Road. There are seven main buildings (one and two story) north of Tower road and one building south of Tower Road. The construction will include a new Juvenile Hall and additional facilities such as an Assessment Center, Intake/Release building, Visitor Center, Facility Support structure, Health Service building, Mental Health building, Food Service building, Programs structure, Education building, Girls Camp, Administration offices, a Juvenile Court, and a Juvenile Probation area. The net building area is about 270,000 square feet. Other associated improvement such as retaining walls, roads, underground utilities, and parking lots are part of the project.

Based on our review of the rough grading plans prepared by BKF, dated July 7, 2003, cuts and fills will be required to provide level building pads. Cut slopes with inclinations varying from 3:1 to 2:1 (horizontal to vertical) and fill slopes with gradients of 2:1 are planned. Specifically, the plans called for cut slopes measuring up to about 30 feet in height at the north corner of the project and new fills measuring up to about 28 feet in vertical height under the Education building. A landscape berm measuring about 20 feet in height and about 1,000 feet in length is planned north of the project site to provide a visual barrier for the adjacent houses and as a location for surplus site soil.

If the actual project differs from that indicated above, we will need to be contacted to review our scope of work and cost estimate for applicability.

EXISTING SITE CONDITIONS AND SUBSURFACE CONDITIONS

The site is undeveloped land that is covered by weeds. The proposed developed site is about 800,000 square foot in plan dimension and bound by residential properties to the north and the existing Hillcrest Juvenile Hall building to the south, east, and west.

Our review of published geological maps (Brab, et. al., 1998) and our geotechnical report dated March 3, 2003 indicate the site is underlain by shallow bedrock consisting of Franciscan melange (sheared rock) and serpentine. In addition, naturally occurring asbestos was found in the bedrock during our investigation.

SCOPE OF SERVICES FOR CONSTRUCTION OBSERVATION

During construction, we will need to provide full and part-time geotechnical oversight during installation of foundations and as required by the earthwork schedule. The purpose of our services to confirm that the geotechnical aspects of the construction are performed as recommended in our report and as required by the project plans and specifications. It is our understanding that the County of San Mateo will not provide the day-to-day testing of the soils. Therefore, we will provide the field testing and the associated laboratory testing. Our work will include confirming that the foundations are capable of carrying their design loads, and to evaluate whether the soil conditions during grading are as anticipated. Our scope of services is anticipated to consist of the following:

1. Attendance of a pre-construction meeting;
2. Part-time observation of clearing and stripping of the site;
3. Full and part-time (as appropriate) observation and compaction testing of subgrade and fill soils during mass grading including keyways, subdrains, and berms and construction of the building pads, including placement of capillary rock/aggregate baserock and non-expansive soils;
4. Part-time observation of the subgrade conditions within the footing excavations for the buildings;
5. Full and part-time (as appropriate) observation of subdrain installation and compaction testing of retaining wall backfill;
6. Full and part-time (as appropriate) observation and compaction testing during placement of underground utility trench backfill;
7. Full-time observation and compaction testing of subgrade soils and aggregate baserock during construction of roadway alignments;
8. Full and part-time (as appropriate) observation and compaction testing of subgrade soils and aggregate baserock during construction of parking and driveway areas, curb and gutter, and concrete flatwork;
9. Sampling and laboratory testing of on-site and imported soil materials;

10. Consultation with the owner, design team, and contractors during construction, as necessary and provision of recommendations, if needed, for modifications of geotechnical aspects of construction as dictated by conditions in the field; and
11. Preparation and issuance of progress and a final report summarizing our earthwork observations, testing visits, and laboratory test results for the project.

We will provide services on an as-called basis and will require 24 hours notice for scheduling observation and testing visits.

FEE ESTIMATE

The anticipated scope of our services and estimated fees for this project are based on part-time and full-time observation and testing of the proposed construction, as appropriate.

SB1999, which amends prevailing wage laws, was recently passed and signed into law by Governor Davis. This law applies to all California public works projects using public funds and extends payment of prevailing wages to geotechnical and materials inspection and testing services. The new law significantly increases inspector's wages for these public works projects. To remain in business providing geotechnical and materials inspection and testing services, Kleinfelder is forced to pass on these additional costs for all applicable work as of January 1, 2001. The fee rates for prevailing wage work after January 1, 2001 are included in this proposal.

Fees for our services will be charged on a time and expense basis. Our geotechnical technicians will be charged at a prevailing wage rate of \$93.50/hour including vehicle, nuclear testing gauge, and mileage from the beginning of the project up to June 30, 2004. All other charges including laboratory testing and engineering time will be according to our current fee schedule. Any services required in addition to those listed would be in accordance with our current fee schedule. We understand that the project will commence this year and be completed in 2006. Therefore, our rates will be increased accordingly based on the consumer price index and the prevailing wage requirements. The following estimate uses 2003 rates. Travel time for this project will be limited to one hour per visit.

ESTIMATED FEES

Task	Description	Estimated Fee
1.	Attendance by two project professionals at a pre-construction meeting (estimate includes 4 hours of attendance by a Principal Professional and a Project Professional).	\$1,400
2.	Part-time observation of clearing and stripping of the site (estimate includes 4 visits at 4 hours by a Technician, including mileage and travel time).	\$1,500

ESTIMATED FEES

Task	Description	Estimated Fee
3.	Full-time observation and testing during mass grading operations including scarification and recompaction of on-site surficial soils including (keyways, subdrains, and berms) (estimate includes 45 visits at 9 hours by a Technician, including mileage, travel time, and soil nuclear gauge).	\$37,900
4.	Observation and testing during preparation of the building pads (including cut and fill pads) and placement of capillary rock/aggregate baserock (non-expansive soils) (estimate includes 15 visits at 9 hours by a Technician, including mileage, travel time, and soil nuclear gauge).	\$12,650
5.	Part-time observation of the subgrade conditions within the footing excavations for the buildings (estimate includes 15 visits at 5 hours by a Professional II, including mileage and travel time).	\$9,000
6.	Observation of subdrain and testing during placement of retaining wall backfill (three walls) (10 visits at 9 hours by a Technician, including mileage, travel time, and soil nuclear gauge).	\$8,450
7.	Observation and testing during placement of underground utility trench backfill (estimate includes 30 visits at 9 hours by a Technician, including mileage, travel time, and soil nuclear gauge).	\$25,250
8.	Observation and testing during subgrade preparation and placement of aggregate baserock in parking areas and driveways (five parking lots) (estimate includes 25 visits at 9 hours by a Technician, including mileage, travel time, and soil nuclear gauge).	\$21,050
9.	Observation and testing during subgrade preparation and placement of aggregate baserock for roadway alignments (approximately 3,500 linear feet) (estimate includes 15 visits at 9 hours by a Technician, including mileage, travel time, and soil nuclear gauge).	\$12,650
10.	Observation and testing during subgrade preparation and placement of aggregate baserock in exterior flatwork including sidewalks and curb and gutter (estimate includes 10 visits at 9 hours by a Technician, including mileage, travel time, and soil nuclear gauge).	\$8,450
10.	Laboratory testing of soils: estimated at 5 Plasticity Indexes, 10 compaction curves, and 5 sieve analyses (more or less testing may be required depending on the variety of the on-site soils encountered and imported soil materials brought to the site).	\$3,100
11.	Engineering review, consultation, and administration during construction.	\$22,000
12.	Final report summarizing our geotechnical observations and testing results.	\$10,000
ESTIMATED TOTAL FOR GEOTECHNICAL CONSTRUCTION OBSERVATION		\$173,400

The fees presented in this proposal are based on prompt payment for services presented in our standard invoicing format. Additional charges will be applied for specializing invoicing if backup documentation is needed. These special services will be charged on a time and expense basis. Late fees will be charged if payment is not received in accordance with terms contained in the attached standard form of agreement.

The cost estimate presented above for the construction observation and testing should be considered as an estimate. Variations in actual conditions and time frames may occur. Therefore, consideration should be given to including a contingency, usually about 25 percent.

AUTHORIZATION

Enclosed with this cost estimate is our standard form of agreement and our standard fee schedule. If this meets with your approval, please sign and return both copies of this contract agreement to our attention. Upon receipt, we will execute the agreement and return one copy to your attention.

If a portion of this cost estimate does not meet your needs, or if those needs have changed, Kleinfelder stands ready to consider appropriate modifications, subject to the standards of care to which we adhere as professionals. Modifications such as changes in scope, methodology, scheduling, and contract terms and conditions may result in changes to the risks assumed by you and may require adjustments to our fees.

If the San Mateo County is planning to use their own terms and conditions, please send us a copy of your contractor as soon as possible so we can review it and provide you with our comments, if any.

LIMITATIONS

As our client, please recognize that construction monitoring is a technique employed to reduce the risk of problems arising during construction. Provision of construction monitoring by an engineer is not insurance, nor does it constitute a warranty or guarantee of any type. Even with diligent construction monitoring, some construction defects may be missed. In all cases, the contractor shall retain responsibility for the quality of the work and for adhering to plans and specifications and for repairing defects regardless of when they are found. We do not undertake the guarantee of construction nor production of a completed project conforming to the project plans and specifications.

WORK SAFETY

The safety of our employees is of paramount concern to Kleinfelder. You will be notified if the location of your project represents a potential safety concern to our employees. Unsafe conditions for field work will require a modification of our estimated scope of work and

associated fees. We will advise you of the additional costs necessary to : : : these unanticipated conditions, if applicable.

CLOSURE

We appreciate the opportunity to present this proposal and look forward to continuing our services for this project. If you have any questions concerning this proposal, please call us at (925) 484-1700.

Sincerely,

KLEINFELDER, INC.



Osama El-Fiky, CE
Project Manager



Donald G. Gray, GE
GeoSciences Group Manager

OE/DG/jb

Enclosures: Professional Services Agreement
2003 Fee Schedule



October 16, 2003
File No.: 31991/REP

Mr. James Sowerbrower, Capital Projects Manager
County of San Mateo
County Government Center
455 County Center, 5th Floor
Redwood City, California 94063-1663

SUBJECT: Proposal for Geotechnical Construction Observation & Testing for Crystal Springs Site - San Mateo Youth Services Center on Tower Road in San Mateo County, California

Dear Mr. Sowerbrower:

As requested by you, we are presenting this proposal to provide geotechnical services during construction of the new Crystal Springs Site - San Mateo Youth Services Center (CS-YSC) in San Mateo County. The new CS-YSC will consist of demolishing the existing Crystal Springs Rehabilitation Center building and constructing one and two story buildings with other improvements. This proposal provides a preliminary scope of services and fee estimate for geotechnical construction observation and testing services for the CS-YSC.

Kleinfelder has submitted the following documents for the San Mateo Youth Services Center and the Crystal Springs sites:

- *Geotechnical Investigation Report – San Mateo Youth Services Center – San Mateo County, California* dated March 3, 2003,
- *Geologic and Seismic Hazards Assessment Report – San Mateo Youth Services Center – San Mateo County, California* dated February 25, 2003
- *Asbestos Dust Mitigation Plan - San Mateo Youth Services Center – San Mateo County, California* dated June 27, 2003.
- *Geologic and Seismic Hazards Assessment Report – Crystal Springs - SMYSC – San Mateo County, California* dated August 11, 2003

We are currently preparing the geotechnical report for CS-YSC project area and our report will be submitted to KMD in the near future.

This geotechnical proposal for the construction phase of the project is based on discussions of the project with you and KMD, and review of the conceptual plans by KMD dated April 15, 2003. No project schedule, project specifications, or other information were available at the time we prepared this proposal. Because this proposal is based on conceptual information about the

project before design is completed, this scope of services and fee estimate reflects our experience on other similar projects. We should review the scope and fee when the grading and building plans and specifications are completed.

Kleinfelder is committed to providing quality service to its clients, commensurate with their wants, needs and desired level of risk. If a portion of this proposal does not meet your needs, or if those needs have changed, Kleinfelder will consider appropriate modifications, subject to the standards of care to which we adhere as professionals.

CONCEPTUAL PROJECT DESCRIPTION

We understand that a few buildings from the proposed San Mateo Youth Service Center project (such as Dual Diagnostic and Staff Housing) will be moved from their proposed locations at the upper Tower Road site. These buildings and a new community school will be constructed on the lower portion of the Tower Road in the relatively flat area that is currently occupied by the Crystal Spring Rehabilitation Center and parking lots. No hillside grading is anticipated. The proposed buildings will be one and two stories with approximate footprint area of 45,000 square feet. The area of the proposed parking lots will be on the order of approximately 35,000 square feet. The total area for the redeveloped site is approximately 5.7 acres. The other improvements such as underground utilities and retaining walls will be part of this project.

If the actual project differs from that indicated above, we will need to be contacted to review our scope of services and fee estimate for the project.

EXISTING SITE CONDITIONS AND SUBSURFACE CONDITIONS

The CS-YSC site is occupied by a two-story building with partial basement called the Crystal Spring Rehabilitation Center. There are paved parking lots around the building. Several county buildings are along the lower Tower Road near the rehabilitation center such as a day care center, El Portal Del Sol School, an election-records storage building, and maintenance service buildings and other structures. These county buildings will remain.

We understand from project plans dated 1960 that the existing Rehabilitation Center Addition is supported on piles (drilled piers) that extend into bedrock. The foundation type for the original Rehabilitation Center building is not known.

Based on our field investigation performed in July 2003, the site is underlain by interbedded layers of fat expansive clay and silty sand with gravel. Sandstone bedrock was encountered at about 25 feet from existing ground surface at the north side of the project. The bedrock was encountered at shallower depths at the west side of the site, almost below the pavement section.

For the proposed light buildings, subsurface conditions encountered and considering the previous site use/foundation types, we have assumed that new structures will be supported on shallow foundations. Also, select fill will be needed below building slabs and removal of some of the old

piles will be needed in new building areas. Grading is expected to be of average or slightly above average in complexity

SCOPE OF SERVICES FOR CONSTRUCTION OBSERVATION

During construction, we should provide full and part-time geotechnical oversight during installation of foundations and grading as required by the earthwork schedule. The purpose of our services is to confirm that the geotechnical aspects of the construction are performed as recommended in our report and as required by the project plans and specifications. It is our understanding that the County of San Mateo will not provide the day-to-day testing of the soils. Therefore, we will provide the field testing and the associated laboratory testing. Our work will include confirming that the foundations are capable of carrying their design loads, and to evaluate whether the soil conditions during grading are as anticipated. Our scope of services is anticipated to consist of the following:

1. Attendance of a pre-construction meetings;
2. Part-time observation of clearing and stripping of the site after buildings, including pile cap foundations and portions of piles, are demolished;
3. Full and part-time (as appropriate) observation and compaction testing of subgrade and fill soils during building pads grading and construction, including placement of capillary rock/aggregate baserock and non-expansive soils;
4. Part-time observation of the subgrade conditions within the footing excavations for the buildings;
5. Full and part-time (as appropriate) observation of subdrain installation and compaction testing of retaining wall backfill;
6. Full and part-time (as appropriate) observation and compaction testing during placement of underground utility trench backfill;
7. Full and part-time (as appropriate) observation and compaction testing of subgrade soils and aggregate baserock during construction of parking and driveway areas, curb and gutter, and concrete flatwork;
8. Sampling and laboratory testing of on-site and imported soil materials;
9. Consultation with the owner, design team, and contractors during construction, as necessary and provision of recommendations, if needed, for modifications of geotechnical aspects of construction as dictated by conditions in the field; and

10. Preparation and issuance of progress and a final report summarizing our earthwork observations, testing visits, and laboratory test results for the project.

We will provide services on an as-called basis and will require 24 hours notice for scheduling observation and testing visits.

FEE ESTIMATE

The anticipated scope of our services and estimated fees for this project is based on part-time and full-time observation and testing of the proposed construction, as appropriate.

Fees for our services will be charged on a time and expense basis. Our geotechnical technicians will be charged at a prevailing wage rate of \$93.50/hour including vehicle, nuclear testing gauge, and mileage. All other charges including laboratory testing and engineering time will be according to our current fee schedule. Any services required in addition to those listed would be in accordance with our current fee schedule. We understand that the project will commence next year and be completed in 2006. Therefore, our rates will be increased accordingly based on the consumer price index and the prevailing wage requirements. The following estimate uses 2003 rates. Travel time for this project will be limited to one hour per visit. The fee rates for prevailing wage work are included in this proposal.

ESTIMATED FEES

Task	Description	Estimated Fee
1.	Attendance by two project professionals at a pre-construction meeting (estimate includes 4 hours of attendance by a Principal Professional and a Project Professional).	\$1,400
2.	Part-time observation of clearing and stripping of the site (estimate includes 4 visits at 4 hours by a Technician, including mileage and travel time).	\$1,500
3.	Full-time observation and testing during grading operations including scarification and recompaction of on-site surficial soils (estimate includes 5 visits at 9 hours by a Technician, including mileage, travel time, and soil nuclear gauge).	\$4,200
4.	Observation and testing during preparation of the building pads (including cut and fill pads) and placement of capillary rock/aggregate baserock (non-expansive soils) (estimate includes 5 visits at 9 hours by a Technician, including mileage, travel time, and soil nuclear gauge).	\$4,200
5.	Part-time observation of the subgrade conditions within the footing excavations for the foundation (estimate includes 5 visits at 5 hours by a Professional II, including mileage and travel time).	\$3,000

ESTIMATED FEES

Task	Description	Estimated Fee
6.	Observation of subdrain and testing during placement of retaining wall backfill (estimate includes 5 visits at 9 hours by a Technician, including mileage, travel time, and soil nuclear gauge).	\$4,200
7.	Observation and testing during placement of underground utility trench backfill (estimate includes 15 visits at 9 hours by a Technician, including mileage, travel time, and soil nuclear gauge).	\$12,600
8.	Observation and testing during subgrade preparation and placement of aggregate baserock in parking areas and driveways (three parking lots) (estimate includes 10 visits at 9 hours by a Technician, including mileage, travel time, and soil nuclear gauge).	\$8,450
9.	Observation and testing during subgrade preparation and placement of aggregate baserock in exterior flatwork including sidewalks and curb and gutter (estimate includes 8 visits at 9 hours by a Technician, including mileage, travel time, and soil nuclear gauge).	\$6,750
10.	Laboratory testing of soils: estimated at 3 Plasticity Indexes, 8 compaction curves, and 5 sieve analyses (more or less testing may be required depending on the variety of the on-site soils encountered and imported soil materials brought to the site).	\$2,500
11.	Engineering review, consultation, and administration during construction.	\$13,000
12.	Final report summarizing our geotechnical observations and testing results.	\$7,000

ESTIMATED TOTAL FOR GEOTECHNICAL CONSTRUCTION OBSERVATION	\$68,800
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The fees presented in this proposal are based on prompt payment for services presented in our standard invoicing format. Additional charges will be applied for specializing invoicing if backup documentation is needed. These special services will be charged on a time and expense basis. Late fees will be charged if payment is not received in accordance with terms contained in the attached standard form of agreement.

For the scope of work outlined above, we estimate a total project fee of approximately **\$68,800** for our geotechnical construction observation and testing services. Should the construction schedule require a lesser or greater amount of services than the estimated herein, the cost would vary accordingly. The cost estimate presented above for the construction observation and testing should be considered as an estimate. Variations in actual conditions and time frames may occur. Therefore, consideration should be given to including a contingency, usually about 25 percent.

AUTHORIZATION

We understand that this proposal is going to be integrated into our current proposal dated October 13, 2003, (revised) (File No.: 24489/REP) for the San Mateo Youth Services Center to perform geotechnical construction observation and testing during construction.

If a portion of this cost estimate does not meet your needs, or if those needs have changed, Kleinfelder stands ready to consider appropriate modifications, subject to the standards of care to which we adhere as professionals. Modifications such as changes in scope, methodology, scheduling, and contract terms and conditions may result in changes to the risks assumed by you and may require adjustments to our fees.

We also understand that the San Mateo County is planning to use their own terms and conditions. Therefore, we need a copy of your contractor as soon as possible so we can review it and provide you with our comments, if any.

LIMITATIONS

As our client, please recognize that construction monitoring is a technique employed to reduce the risk of problems arising during construction. Provision of construction monitoring by an engineer is not insurance, nor does it constitute a warranty or guarantee of any type. Even with diligent construction monitoring, some construction defects may be missed. In all cases, the contractor shall retain responsibility for the quality of the work and for adhering to plans and specifications and for repairing defects regardless of when they are found. We do not undertake the guarantee of construction nor production of a completed project conforming to the project plans and specifications.

WORK SAFETY

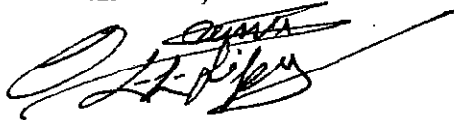
The safety of our employees is of paramount concern to Kleinfelder. You will be notified if the location of your project represents a potential safety concern to our employees. Unsafe conditions for field work will require a modification of our estimated scope of work and associated fees. We will advise you of the additional costs necessary to mitigate these unanticipated conditions, if applicable.

CLOSURE

We appreciate the opportunity to present this proposal and look forward to continuing our services for this project. If you have any questions concerning this proposal, please call us at (925) 484-1700.

Sincerely,

KLEINFELDER, INC.



Osama El-Fiky, CE
Project Manager



Donald G. Gray, GE
GeoSciences Group Manager

OE/DG/jb

Enclosure: 2003 Fee Schedule

**KLEINFELDER SOUTH BAY REGION
2003 FEE SCHEDULE
ENVIRONMENTAL AND GEOTECHNICAL/MATERIALS TESTING SERVICES**

PROFESSIONAL STAFF RATES*

	Non-Prevailing Wage	Prevailing Wage
Professional I	\$ 100 / hour	\$ 113 / hour
Professional II.....	\$ 110 / hour	\$ 120 / hour
Staff Professional I.....	\$ 120 / hour	\$ 125 / hour
Staff Professional II.....	\$ 130 / hour	\$ 130 / hour
Project Professional	\$ 140 / hour	\$ 140 / hour
Project Manager I.....	\$ 150 / hour	\$ 150 / hour
Project Manager II.....	\$ 155 / hour	\$ 155 / hour
Senior Professional	\$ 165 / hour	\$ 165 / hour
Senior Project Manager.....	\$ 175 / hour	\$ 175 / hour
Principal Professional	\$ 190 / hour	\$ 190 / hour
Senior Principal.....	\$ 330 / hour	\$ 330 / hour
Program Manager.....	\$ 185 / hour	\$ 185 / hour
Senior Program Manager.....	\$ 195 / hour	\$ 195 / hour

ADMINISTRATIVE/TECHNICAL STAFF RATES

	Non-Prevailing Wage	Prevailing Wage
Administrative/Word Processor.....	\$ 70 / hour	\$ 70 / hour
Project Administrative I.....	\$ 80 / hour	\$ 80 / hour
Project Administrative II.....	\$ 90 / hour	\$ 90 / hour
Technician I.....	\$ 73 / hour	\$ 85 / hour
Technician II.....	\$ 78 / hour	\$ 90 / hour
Technician III.....	\$ 89 / hour	\$ 101 / hour
Senior Technician	\$ 95 / hour	\$ 105 / hour
Supervisory Technician	\$ 102 / hour	\$ 114 / hour
Draftsperson.....	\$ 85 / hour	\$ 85 / hour
CADD Operator.....	\$ 95 / hour	\$ 95 / hour
Designer.....	\$ 105 / hour	\$ 105 / hour

Minimum Charges For Office Time Per Day One Hour at
Applicable Rate

Incremental Charges For Testing and Inspection Four Hour
Increments

Expert Witness Two Times
Normal Rate
Plus Expenses

* Applies to all professional rates including but not limited to civil, mechanical, chemical, electrical, geotechnical and environmental engineers; industrial hygienists; geologists; hydrogeologists; hydrologists; and computer specialist

KLEINFELDER 2003 FEE SCHEDULE FOR ENVIRONMENTAL AND GEOTECHNICAL/MATERIALS TESTING SERVICES

Kleinfelder is a consulting firm which provides services in geotechnical engineering, materials engineering and testing, engineering geology, hydrogeology, environmental engineering, geochemistry, industrial health and safety, mining engineering, water resources, construction management and agricultural engineering. Since 1961, the firm has provided consulting services to industries, governmental agencies, commercial firms, developers, and other design professionals.

OFFICES AND TESTING LABORATORIES

ARIZONA

1951 West Camelback Road, Suite 460
Phoenix, AZ 85015
(602) 841-8880

1335 West Auto Drive
Tempe, AZ 85284
(480) 763-1200

6451 South Country Club Road, #131
Tucson, AZ 85706
(520) 628-7769

CALIFORNIA

5880 District Boulevard, Suite 24
Bakersfield, CA 93313
(661) 831-2155

1370 Valley Vista Drive, Suite 150
Diamond Bar, CA 91765
(909) 396-0335

780 Chadbourne Road, Suite D
Fairfield, CA 94534
(707) 429-4070

1410 F Street
Fresno, CA 93706
(559) 486-0750

330 E. 4th Street, Suite A
Hanford, CA 93230
(559) 582-4451

16 Technology Drive, Suite 150
Irvine, CA 92618
(949) 727-4466

620 West 16th Street, Unit "F"
Long Beach, CA 90813
(562) 432-1696

1577 West Main Street
Merced, CA 95340
(209) 384-7552

1220 6th Street, Suite B
Modesto, CA 95354
(209) 577-4333

1970 Broadway, Suite 710
Oakland, CA 94612
(510) 628-9000

981 Garcia Avenue, Suite A
Pittsburg, CA 94565
(925) 427-6477

7133 Koll Center Parkway, Suite 100
Pleasanton, CA 94566
(925) 484-1700

9530 Crossroads Drive
Redding, CA 96003
(530) 222-7203

1940 Orange Tree Lane
Redlands, CA 92374
(909) 793-2691

8331 Sierra College Boulevard, Suite 204
Roseville, CA 95661
(916) 797-1770

3077 Fite Circle
Sacramento, CA 95827
(916) 366-1701

365 Victor Street, Suite L
Salinas, CA 93907
(831) 755-7900

CALIFORNIA *(continued)*

5015 Shoreham Place (Corp. HQ)
San Diego, CA 92122
(858) 320-2000

1362 Ridder Park Drive
San Jose, CA 95131
(408) 436-1155

35 Mitchell Boulevard, Suite 5-A
San Rafael, CA 94903
(415) 472-6770

2240 Northpoint Parkway
Santa Rosa, CA 95407
(707) 571-1883

2825 East Myrtle Street
Stockton, CA 95205
(209) 948-1345

43218 Business Park Drive, Suite 201
Temecula, CA 92590
(909) 506-1488

1534 Callens Road
Ventura, CA 93003
(805) 477-0485

18374 Readiness Street
Building 728, Suite 15
Victorville, CA 92394
(760) 530-0825

COLORADO

4815 List Drive, Unit #115
Colorado Springs, CO 80919
(719) 632-3593

747 N. Sheridan Boulevard, Suite 9B
Denver, CO 80214
(303) 237-6601

10044 Granite Hill Drive
Parker, CO 80134
(303) 840-4571

3010 Granada Boulevard
Pueblo, CO 81005
(719) 546-1150

IDAHO

64 N. Pine
Blackfoot, ID 83221
(208) 782-9700

10221 W. Emerald, Suite 180
Boise, ID 83704
(208) 376-9700

KANSAS

7802 Barton
Lenexa, KS 66214
(913) 962-0909

1601 S. W. 41st Street
Topeka, KS 66609
(785) 267-7131

MISSOURI

2812 Hunter Drive
Blue Springs, MO 64015
(816) 228-2555

MONTANA

350 S. Billings Boulevard, Suite 4A
Billings, MT 59101
(406) 294-8400

NEBRASKA

9312 G Court
Omaha, NE 68127
(402) 331-2260

NEVADA

1617 Fairview Drive, #26
Carson City, NV 89701
(775) 884-3886

6380 South Polaris Avenue
Las Vegas, NV 89118
(702) 736-2936

4875 Longley Lane, Suite 100
Reno, NV 89502
(775) 689-7800

NEW MEXICO

4905 Hawkins NE
Albuquerque, NM 87109
(505) 344-7373

OKLAHOMA

901-A N.W. 84th Street
Oklahoma City, OK 73114
(405) 810-1233

10926 E. 55th Place
Tulsa, OK 74145
(918) 627-6161

OREGON

15050 S.W. Koll Parkway, Suite L
Beaverton, OR 97006
(503) 644-9447

20350 Empire Avenue, Suite A-1
Bend, OR 97701
(541) 382-4707

TEXAS

1410 Sewell Street
Abilene, TX 79605
(915) 698-3242

3601 Manor Road
Austin, TX 78723
(512) 926-6650

5002 Ambassador Row
Corpus Christi, TX 78416
(361) 854-4774

6800 Manhattan Boulevard, Suite 200
Ft. Worth, TX 76120
(817) 429-6692

10011 W. Gulf Bank, Suite B
Houston, TX 77040
(713) 896-3190

2211 Century Center Boulevard, Suite
101
Irving, TX 75062
(972) 870-0808

4103 East Stan Schlueter Loop

Killeen, TX 76542
(254) 699-1126

2130 S. Loop 250W #3
Midland, TX 79703
(915) 520-3527

2035 Central Circle, Suite 108
McKinney, TX 75069
(972) 542-4362

414 South Grandview Avenue
Odessa, TX 79761
(915) 332-8557

3570 Rocking J Road
Round Rock, TX 78664
(512) 246-8919

2728 Foster Street
San Angelo, TX 76903
(915) 655-5119

2000 South 15th Street
Waco, TX 76706
(254) 754-0369

UTAH

1901 Prospector, Suite 30
Park City, UT 84060
(435) 649-2030

1895 West 820 North, Suite 38A
Provo, UT 84601
(801) 377-3451

2677 East Parley's Way
Salt Lake City, UT 84109
(801) 466-6769

WASHINGTON

2405 140th Avenue NE, Suite A101
Bellevue, WA 98005
(425) 562-4200

8911 East Euclid Avenue
Spokane, WA 99212
(509) 926-9994

BASIS OF CHARGES

1. Listed herein are typical prices for services most frequently performed by Kleinfelder. Prices for other services provided by the firm or other services not listed will be given upon request, as well as special quotations for programs involving volume work.
2. The client agrees to limit the consultant's liability to the client and to all contractors and subcontractors on the project due to professional negligent acts, errors or omissions of the consultant to the sum of \$50,000 or the consultant's fee, whichever is greater.
3. Invoices will be issued on a periodic basis, or upon completion of a project, whichever is sooner. The net cash amount of this invoice is payable on presentation of the invoice. If not paid within 30 days after the date of the invoice, the unpaid balance shall be subject to a FINANCE CHARGE of 1.5% per month, which is an ANNUAL PERCENTAGE RATE of 18%.
4. A two-hour minimum charge will be made for all field services. A four-hour minimum charge will be made for any field services in excess of two hours. A six-hour minimum charge will be made for field services in excess of four hours per day. An eight-hour minimum charge will be made for field services in excess of six hours per day. A one-hour minimum charge per day will be made for any office services.
5. Time worked in excess of 8 hours per day and weekend/holiday work will be charged at 1.5 times the hourly rate. Time worked in excess of 12 hours per day will be charged at 2 times the hourly rate.
6. Per diem will be charged at a rate of \$90 per day per person or expenses plus 20%, whichever is greater. Per diem will be charged for all projects in excess of 50 miles from the nearest Kleinfelder office.
7. Outside services will include a 20% markup unless otherwise noted.
8. Unless otherwise stated in the proposal, proposed fee includes standard invoicing with time detail summary. Invoicing backup (timesheets, daily field reports, or work summaries) will be included only if requested and will be at additional cost.
9. Certified payroll for prevailing wage projects will be provided only if requested and an additional hour of administrative time will be charged for each pay period.
10. We are protected by Worker's Compensation Insurance (and/or Employer's Liability Insurance), and by Public Liability Insurance for bodily injury and property damage, and will furnish certificates thereof upon request. We assume the risk of damage to our own supplies and equipment. If your contract or purchase order places greater responsibilities upon us or requires further insurance coverage, we, specifically directed by you, will take out additional insurance (if procurable) to protect us at your expense, but we shall not be responsible for property damage from any cause, including fire and explosion, beyond the amounts of coverage of our insurance.
11. All non-environmental and uncontaminated samples may be disposed of at Kleinfelder's discretion 30 days after submission of final report, unless prior arrangements are made. All environmental samples may be returned to clients at Kleinfelder's discretion 30 days after submission of final report, unless prior arrangements are made.
12. Proper disposal or handling of soil boring cuttings, well development and purge waters, decontamination solutions, and other contaminated/potentially contaminated materials is the responsibility of the client. Kleinfelder can provide containers for onsite containment and can advise the client regarding proper handling procedures.

ENVIRONMENTAL SAMPLING AND TESTING EQUIPMENT

SOIL AND WATER

Acoustic Water Level Indicator	\$ 125.00 / day
Air Circulating Fan.....	\$ 21.63 / day
Air Compressor (3 - 10 cfm)	\$ 113.00 / day
Analog Thermometer*	\$ 16.50 / day
Bailers	\$ 48.40 / day
Bat Probe	\$ 43.26 / hour
Bed Load Samplers	
Hand-Held Low Flow	\$ 59.74 / day
High Flow with Suspension System and Winch	\$ 97.85 / day
Brunton Transit*.....	\$ 16.50 / day
Centrifugal Water Pump*.....	\$ 81.00 / day
Christy Box.....	\$ 103.00 / each
Concrete Bags - 50 Lbs	\$ 6.50 / each
Conductivity, pH, and Temperature Monitor	\$ 55.00 / day
Conductivity-Based Water Level Indicator	\$ 55.00 / day
Current Meter/Flow Measurement Equipment	\$ 97.85 / day
Diaphragm Surface Pump	\$ 86.52 / day
Digital Thermometer*.....	\$ 16.50 / day
Disposable Bailers.....	\$ 16.50 / each
Distilled Water	\$ 2.75 / gallon
Groundwater Sampling Truck/Trailer	\$ 81.00 / hour
(Complete with generator, air compressor, sample pump and reel assembly, steam cleaner and water tank, water level indicator, conductivity, pH and temperature monitor, bailer) 4-hour minimum	
Hand Auger and Soil Sampler	\$ 70.00 / day
Hermit Hydrologic Monitor	\$ 563.00 / day
Hydrogen Peroxide Test Kit.....	\$ 6.49 / hour
Interface Probe (oil/water)	\$ 64.89 / day
Isco Composite Water Sampler Unit	\$ 183.34 / day
Isco Bladder.....	\$ 26.00 / each
Isco Flow Recorder	\$ 129.78 / day
Level or Transit and Rod	\$ 98.00 / day
Line/Cable Locater	\$ 108.15 / day
Locks	\$ 7.60 / each
Lysimeter Sampling Equipment.....	\$ 38.11 / day
Mason Jars.....	\$ 21.75 / case
Measuring Wheel*	\$ 16.50 / day
Metal Detector*	\$ 16.48 / day
Mileage, Round Trip	\$ 92.00 / day
Peristaltic Pump	\$ 81.00 / day
Personal Comp/Basic Soft Sys.....	\$ 16.50 / hour
pH Meter*.....	\$ 26.75 / day
Photo Ionization Detector.....	\$ 173.00 / day
Pipe Cutter and Threader*.....	\$ 26.78 / day
Portable Air Compressor*.....	\$ 26.75 / day
Portable Generator*.....	\$ 43.25 / day
Portable Generator (1.5 to 4 kW)	\$ 98.00 / day
Portable Generator (greater than 4 kW)	\$ 124.00 / day
Power Inverter*	\$ 21.63 / day
Pump Bladders	\$ 76.22 / each
QED Filters.....	\$ 21.75 / each
Range Finder*	\$ 16.48 / day
Sample Transfer Vessel (filter)	\$ 21.63 / day
Sampling Kit.....	\$ 16.50 / day
Steam Cleaner (0.5 to 2 gpm)	\$ 123.60 / day
Stevens Water Level Recorder*.....	\$ 54.59 / day

* Weekly and monthly rates available upon request.

ENVIRONMENTAL SAMPLING AND TESTING EQUIPMENT (Continued)

Storage Tanks	
500 gallon	\$ 16.48 / day
2,000 gallon	\$ 16.48 / day
Suspended Sediment Samplers	
DH48 Hand-Held Low Flow	\$ 64.89 / day
D49, D74 High-Flow with Suspension System and Winch	\$ 96.82 / day
Syringe Sampler	\$ 167.89 / day
Trailer-Mounted 4-inch Submersible Pump and Reel Assembly	\$ 389.34 / day
Transducer and SE1000 Recorder	\$ 249.26 / day
	\$ 942.45 / week
Variable Voltage Supply*	\$ 26.78 / day
Walkie Talkie Set*	\$ 26.75 / day
Well Development Tool	\$ 65.00 / day

AIR AND GAS	Rate/Day	Rate/Week	Rate/Month
Absolute Pressure Transducer	\$ 25.75	\$ 86.52	\$ 267.80
Bacharach O ₂ Combustible Analyzer	43.26	129.78	422.30
Barhole Punch	21.63	59.74	146.26
Barometer	16.48	48.41	140.08
Calibration Gas	8.75	26.78	70.04
Calibration Gas Regulator	8.76	26.78	81.37
Combustible Gas Analyzer	65.00	226.60	692.16
Differential Pressure Transducer	26.75	96.82	281.19
Draeger Quantimeter	129.78	442.90	1,375.05
Draeger Tubes	16.48 each	-	-
Dual Ambient Air Sampler	70.00	211.15	757.05
Field Gas Chromatograph	628.30	2,513.20	6,921.60
Fyrite CO ₂ or O ₂ Indicator	16.48	38.11	123.60
Gas Chromatograph (office)	-	-	76.22 each run
Gas Production Curves	-	-	442.90 each run
Integrated Surface Sampler	43.26	129.78	422.30
Irrrometer	8.65	26.78	76.22
Kurz Velocity Meter	26.75	97.85	281.19
Magnehelic Gauge	16.50	48.40	141.11
Moisture Meter	16.50	48.41	141.11
Nalgene Hand Pump	21.63	64.89	206.00
O ₂ Analyzer	77.00	257.50	746.75
Organic Vapor Analyzer or Photoionization Detector	200.00	607.70	2,111.50
Organic Vapor Analyzer with Strip Chart Recorder	227.00	628.00	2,389.60
Orifice Plate	26.78	81.37	281.19
Pitot Tubes	16.48	49.44	140.08
Portable Brailsford Pump or Equivalent	38.11	113.30	367.71
Slack Tube Manometer	8.76	26.78	76.22
Sound Level Meter	55.00	-	-
Strip Chart Recorder (dual pen)	21.63	64.89	206.00
Strip Chart Recorder (single pen)	21.63	64.89	206.00
Submersible Pump (3")	86.52	-	-
Tedlar Air Sample Bag	38.11 each	-	-
Test Skid	346.08	1,199.95	3,821.30
Test Trailer	412.00	1,494.00	4,532.00
Vibration Analyzer	70.04	-	-
Voltmeter	8.76	26.78	70.04
Wind Speed and Direction Indicator (one system each)	-	422.30	1,493.50

* Weekly and monthly rates available upon request.

MONITORING WELL INSTALLATION MATERIALS*

	2-inch	4-inch
Casing, Blank Schedule 40, PVC with Threaded Joints 10-foot lengths	\$ 7.62 / foot	\$ 16.48 / foot
Casing, Blank Schedule 40, PVC with Threaded Joints 5-foot lengths	\$ 8.75 / foot	\$ 21.63 / foot
Casing, Screens, 0.02-inch Slots, Schedule 40 PVC with Threaded Joints, 10-foot lengths	\$ 8.75 / foot	\$ 21.63 / foot
Casings, Screens, 0.02-inch Slots, Schedule 40 PVC with Threaded Joints, 5-foot lengths	\$ 9.79 / foot	\$ 31.93 / foot
Casing, PVC Plug	\$ 8.75 / each	\$ 27.81 / each
Casing, PVC Cap	\$ 16.50 / each	\$ 38.11 / each
Sand, 100-lb bag	\$ 33.00 / bag	
Bentonite Pellets, 50-lb bucket	\$ 124.00 / bucket	
Drums	\$ 57.00 / each	
Granulated Bentonite, 50-lb sack	\$ 55.00 / sack	
Ground Pump and Controller	\$1,030.00 / month	
Cement/Bentonite Slurry	\$ 146.26 / cubic yard	
Security Tops	\$ 249.00 / each	
Brass Tubes	\$ 8.65 / each	

* Quotations on prices for PVC well casings greater than 4-inch diameter and other materials (stainless steel, etc.) provided on request.

HEALTH AND SAFETY EQUIPMENT

Portable Personnel Decontamination Trailer	\$ 269.86 / day
Personnel Air Sampling Pump	\$ 98.00 / day
Borehole Ventilation System	\$ 206.00 / day
Level B Protection ^a	\$ 270.89 / day / person
Level C Protection ^a	\$ 173.00 / day / person
Level D Protection ^a	\$ 49.00 / day / person
Limited Level D Protection ^a	\$ 39.00 / day / person

^a Charges for each protection level are based on dry work conditions and use of uncoated PVC/nitrile/neoprene gloves. A nominal charge for wet work conditions requiring coated or special chemical resistant coveralls (i.e., Saranex) and gloves (i.e., Viton) may be added.

SPECIAL MEDICAL SURVEILLANCE COSTS

Baseline physical costs are covered by the company; however, project-specific medical tests will be charged at cost, plus 20%.

OTHER EQUIPMENT CHARGES

GEOPHYSICAL EXPLORATION EQUIPMENT

Seismograph, Single Channel Bison Model 1570C or Nimbus Model ES-125	\$ 195.00 /day
Seismograph, Twelve Channel Nimbus Model ES121OF	\$ 510.00 /day
Resistivity Meter, Bison Model #2390	\$ 170.00 /day
Soil Test Model R-40C	\$ 139.05 /day
Megger Earth Tester	\$ 108.00 /day
Magnetometer, Portable Proton-Geometrics Model 6816	\$ 195.00 /day
Electromagnetics	\$ 226.60 /day
Terrain Conductivity Meter	
Geonics Model EM 31	\$ 206.00 /day
Downhole Shear Wave Velocity Measurement	On Request
Blast and Vibration Monitor, VM-100 (Normal set up and takedown)	\$ 412.00 /day
Slope Indicator (4-hour minimum)	\$ 48.41 /hour
Pneumatic Piezometer Indicator	
Sinco Model 51411-A	\$ 185.40 /day
Sealed Double Ring Infiltrometer	
Test Equipment	On Request

VEHICLES

Vehicle, 2 Wheel Drive	\$ 8.75 /hour
Vehicle, 4 Wheel Drive	\$ 16.50 /hour
Mileage, 2 Wheel Drive	\$.55 /mile
Mileage, 4 Wheel Drive	\$ 1.10 /mile
Vehicle Equipped with Standard Field Testing Equipment	\$ 16.50 /hour
Vehicle Equipped with Nuclear Density Testing Equipment	\$ 21.75 /hour
Vehicle Equipped with Ultrasonic, Magnetic Particle, and Dye Penetrant Testing Equipment	\$ 21.75 /hour
Utility Trailer	\$ 38.11 /day
Hydraulic Hand Lift	\$ 32.96 /day

OFFICE EQUIPMENT

Microcomputer, basic software systems and supporting hardware	\$ 21.63 /hour
Mainframe Computer Time-Sharing (per CPU minute)	\$ 9.27 /minute
Camera and Film	\$ 21.75 /week
Computer Connect Time	\$ 7.73 /hour
Disk Storage (per megabyte)	\$ 76.22 /month
Environmental Information Management System Software Surcharge	\$ 16.48 /hour
Project Management and CPM Software Surcharge	\$ 16.48 /hour
Reproduction	\$ 0.52 /page
Telephone	\$ 0.52 /minute
Facsimile Copies	\$ 2.60 /page
Report Surcharge	\$ 38.00 /copy
Large Format Drawing Copies, 20-lb Bond	\$ 2.73 /sq ft
Large Format Drawing Copies, Erasable Vellum	\$ 3.81 /sq ft
Large Format Drawing Copies, Precision Trim	\$ 1.65 /each
Mylar Reproductions	\$ 16.48 /sheet
Autocad Drafting, Hardware and Software	\$ 32.96 /hour
Autocad Drawing Plots	\$ 1.65 /minute
Video Camera	\$ 76.22 /day

GEOTECHNICAL/MATERIALS TESTING EQUIPMENT CHARGES

MATERIALS TESTING EQUIPMENT

Skidmore Wilhelm Bolt Tension Calibrator	\$ 43.25 / day
Torque Wrench	\$ 43.25 / day
Schmidt Hammer	\$ 70.00 / day
R Meter (Pachometer)	\$ 70.00 / day
Windsor Probe	\$ 21.75 / shot
Anchor Bolt Testing Device	\$ 140.00 / day
Concrete Vapor Transmission Test Kit-Floors & Slabs	RMA \$ 60.00 / test
Thin Lift Nuclear Asphalt Gauge	\$ 76.00 / day
Nuclear Asphalt Content Gauge	\$ 75.00 / day
Coring Machine with Generator	\$ 151.50 / day
Floor Flatness Testing Device	\$ 98.00 / day

Diamond Bit Core Barrel Charge	Asphalt	Concrete or Masonry
2" Diameter	\$ 6.20 / inch	\$ 4.90 / inch
3" Diameter	\$ 7.75 / inch	\$ 5.40 / inch
4" Diameter	\$ 9.25 / inch	\$ 6.50 / inch
6" Diameter	\$ 12.80 / inch	\$ 7.75 / inch
8" Diameter	\$ 16.25 / inch	\$ 10.82 / inch

Minimum bit charge-6" per job

SOIL AND AGGREGATE TESTS

COMPACTION CURVES

Standard 4" Mold	D-698 Method A	\$ 173.00/ each
Standard 6" Mold	D-698 Method B, C	\$ 195.00/ each
Modified, 4" Mold	D-1557 Method A	\$ 173.00/ each
Modified, 6" Mold	D-1557 Method B, C	\$ 183.00/ each
California Impact, Dry Method	CAL-216-F	\$ 195.00/ each
California Impact, Wet Method	CAL-216	\$ 151.00/ each
Check Point		\$ 108.00/ each
Relative Density (Maximum and Minimum)	D-4253 & 4254	\$ 281.00/ set

SOIL AND AGGREGATE STABILITY

R-Value, Untreated Material or field Sample	CAL-301	\$ 227.00/ each
R-Value, Reproportioned or Chemically -Treated	CAL-301	\$ 273.00/ each
Correction for oversized material in sample	CAL-301	\$ 65.00/ each
C.B.R. 100% Compaction (Includes compaction curve)	D-1883, T-180	\$ 530.00/ each
C.B.R. Other Compaction Effort (Includes compaction curve)	D-1883	\$ 692.00/ each
Soil Cement, C.T.B., Mix Design		On Request
C.T.B. Compression Test, (Includes Preparation)	D-1633, CAL-312	\$ 822.00/ each
Lime-Treated Compression Test (Includes Preparation)	CAL-373	\$ 820.00/ each
Check Point	CAL-373	\$ 226.00/ each
Cement-Treated Compression Test	PCA EB052.06S	\$ 540.00/ each

BASIC SOIL AND AGGREGATE PROPERTIES

Sieve Analysis, Coarse and Fine Including Wash	C-136	\$ 119.00/ each
Sieve Analysis, Coarse (Retained on No. 4 Sieve)	C-136	\$ 70.00/ each
Sieve Analysis, Fine Including Wash (Passing No. 4 Sieve)	C-136	\$ 103.00/ each
Sieve Analysis, Wash (% Finer than No. 200 Sieve)	C-117	\$ 70.00/ each
Hydrometer (Without Sieve Analysis)	D-422	\$ 141.00/ each
Hydrometer (Including Sieve Analysis)	D-422	\$ 211.00/ each
Specific Gravity	C-127, C-128, D-854	\$ 81.00/ each
Sand Equivalent, Average of 3	CAL-217	\$ 92.00/ each
Sand Equivalent, One Point Method		\$ 76.00/ each
Plasticity Index	D-4318	\$ 142.00/ each
Liquid Limit	D-4318	\$ 91.67/ each
Expansion Index Test	D4829, UBC 18-2	\$ 140.00/ each
Swell Pressure, Per Point		\$ 86.50/ each
Moisture Determination and Unit Weight	D-2216, D-2937, D-4643	\$ 43.25/ each
Moisture Determination Only	D-2216, D-4643	\$ 21.75/ each
Resistivity of Soil (Laboratory Measurement)	CAL-532 or 643	\$ 139.00/ each

SOIL AND AGGREGATE TESTS (Cont.)

pH Test (Laboratory Measurement).....	EPA-9045	\$ 48.40/ each
pH Test, Lime Treated Soils	C-977	\$ 93.00/ each
Organic Content-Soils	D-2974	\$ 86.50/ each
Pinhole Test for Dispersive Soils	D-4647	\$ 216.30/ each
Dielectric Constant.....		\$ 51.50/ each

HYDRAULIC CONDUCTIVITY

Flexible Wall, Falling Head	D-5084, EM 1110-2-1906	\$ 324.00/ each
Rigid Wall Permeability of Undisturbed Sample, up to No. 4 Sieve Size.....		\$ 163.00/ each
Rigid Wall, Constant Head, Gravel.....		\$ 162.74/ each

SAMPLE PREPARATION

Trimming.....		\$ 49.00/ each
Remolding		\$ 65.00/ each
Splitting		\$ 48.40/ each
Mixing and Processing		\$ 56.65/ hour

SHEAR STRENGTH AND CONSOLIDATION TESTS

Unconfined Compression, Including Moisture Content and Unit Weight	D-2166	\$ 98.00/ each
Triaxial Compression Test		
Quick Per Point		\$ 124.50/ point
UU Saturated	D-2850	\$ 206.00/ point
CD Saturated	EM-1110-2-1906	\$ 314.15/ point
CU Saturated	D-4767	\$ 247.00/ point
CU Saturated with Pore Water Pressure	D-4767	\$ 357.41/ point
Direct Shear (Quick) Per Point (Dry).....	D-3080	\$ 103.00/ each
Direct Shear (3 point staged test) (Saturated)		\$ 273.00/ each
Direct Shear (Residual) Per Point (Saturated)		\$ 108.00/ point
Consolidation, With Two Time Rates		\$ 350.00/ test
Constant Rate of Strain Consolidation, With Time Rate	D-4186	\$ 540.75/ test
Consolidation, Without Time Rate, Six Load Increments	D-2435	\$ 270.00/ test
Collapse Potential.....		\$ 98.00/ each

Note: Special testing procedures that deviate from standard will be charged on a time and expense basis.

AGGREGATE QUALITY

Injurious Organic Matter.....	C-40	\$ 55.00/ each
Absorption, Gravel	C-127	\$ 55.00/ each
Absorption, Sand	C-128	\$ 81.00/ each
Unit Weight, Average of 3	C-29	\$ 92.00/ test
Unit Weight, One Point Method	C-29	\$ 60.00/ each
Los Angeles Abrasion Test-500 Revolutions.....	CAL-211, C-131	\$ 146.00/ each
Los Angeles Abrasion Test-1,000 Revolutions.....	CAL-211, C-535	\$ 191.00/ each
Sulfate Soundness (5 Cycles) Per Sieve Size.....	CAL-214, C-88	\$ 92.00/ each
Mortar Making Properties of Sand (2 ages).....	CAL-515, C-87	\$ 705.55/ each
Potential Reactivity Test	C-289	On Request
Cleanliness Test (Referee Test).....	CAL-227	\$ 135.00/ each
Crushed Particles on Sieved Sample.....	CAL-205, D-693	\$ 135.00/ each
Flat and Elongated Particles on Sieved Sample.....	D-4791, CE-119, CE-120	\$ 135.00/ each
Clay Lumps and Friable Particles	C-142	\$ 98.00/ each
Lightweight Pieces in Aggregate	C-123	\$ 216.00/ each
Durability, Fine	CAL-229, D-3744	\$ 108.00/ each
Durability, Coarse	CAL-229, D-3744	\$ 163.00/ each
Durability Index, Coarse and Fine	CAL-229, D-3744	\$ 242.00/ test

CONCRETE

Concrete Mix Design Review		\$ 190.00/ each
Laboratory Trial Batch, Including Compression Testing of Six Specimens		\$ 540.00/ each
Concrete Cylinder Cured and/or Compression Tested.....	C-39	\$ 23.75/ each
Compression Test, Lightweight Insulating Concrete.....	C-495	\$ 48.41/ each
Unit Weight of Concrete Cylinders.....	C-138	\$ 48.40/ each
Flexural Strength, Concrete Beam	C-78, C-293	\$ 93.00/ each
Compression Test, Gunit/Shotcrete.....		\$ 60.00/ each
Compression Test, Gunit/Shotcrete Panel, Set of 6 Cores		\$ 211.00/ set
Compression Test on Cored Specimens (Includes End Preparation)	C-42	\$ 55.00/ each*
Cylinder Molds.....		\$ 2.75/ each
Drying Shrinkage Test, set of 3.....	C-157, CAL-530	\$ 381.00/ each
Modulus of Elasticity of 6" x 12" Concrete Cylinder.....	C-469	\$ 216.30/ each
Splitting Tensile Strength.....	C-496	\$ 70.00/ each
Cement Content of Hardened Concrete	C-85	On Request
Density of Spray Applied Fireproofing.....	E-605	\$ 65.00/ each
Unit Weight of Lightweight Concrete.....	C-567	\$ 65.00/ each
Concrete Permeability	CRD-C-48	\$1199.95/ each
Mortar Bar Expansion	C-227	\$1199.95/ each

* Does not include coring

MASONRY

Grout or Mortar Specimen		
Cured and/or Compression Tested.....	C-579, C-1019, C-780, C-942, C-109	\$ 24.00/ each
Compression Test, Masonry Units	C140	\$ 55.00/ each
Compression Test, 8 x 8 x 16 Prisms or smaller.....	UBC 24-26, E 447	\$ 86.50/ each
Compression Test, 10 x 8 x 16 Prisms or smaller.....	UBC 24-26, E 447	\$ 98.00/ each
Compression Test, 12 x 8 x 16 Prisms or smaller.....	UBC 24-26, E 447	\$ 108.00/ each
Absorption and Received Moisture, Masonry Unit	C140	\$ 65.00/ each
Lineal Shrinkage, Masonry Units.....	C-426, or Title 21	\$ 146.00/ each
Compression Strength, Brick	C-67	\$ 54.00/ each
Modulus of Rupture, Brick.....	C-67	\$ 65.00/ each
Absorption Test, Brick, 5-Hour with Coefficient	C-67	\$ 80.00/ each
Shear Test on Masonry or Brick Cores	CAL-644	\$ 87.00/ each
Grout or Mortar Mold		\$ 2.73/ each
Breaking Load, Roof Tile.....	UBC 32-12	\$ 38.00/ each
Absorption, Roof Tile.....	UBC 32-12	\$ 65.00/ each
Permeability, Roof Tile		\$ 108.00/ each

ASPHALT

Specification Tests-AR Grades		On Request
-Liquid Asphalt Grades		On Request
-Emulsions.....		On Request
Other Asphalt Tests		On Request
Centrifuge Kerosene Equivalent	CAL-303	\$ 206.00/ each
Extraction, % Bitumen	D-1856, D-2172, or CAL-310	\$ 136.00/ each
Extraction, % Bitumen, with Gradation.....		\$ 216.00/ each
Film Stripping	CAL-302	\$ 103.00/ each
Stabilometer Test and Mixing of Sample	CAL-366	\$ 200.00/ each
Stabilometer Test on Premixed Sample.....	CAL-366	\$ 134.00/ each
Swell.....	CAL-305	\$ 108.00/ each
Moisture Vapor Susceptibility, in Addition to Stabilometer	CAL-307	\$ 216.00/ each
Complete Design of Wearing Surface for a Given Asphalt		
and Aggregate, Hveem or Marshall Method.....		On Request
Marshall Stability and Flow-Set of 3 (Without Mixing)	D-1559	\$ 303.00/ set
Marshall Stability and Flow-Set of 3 (Lab Mixed).....	D-1559	\$ 390.00/ set
Superpave Mix Design - Preliminary Voids Analysis only (PMA).....	FHWA SA-95-003	\$2,163.00/ each
Superpave Mix Design (Excludes Binder or Agg. Qual. testing).....	FHWA SA-95-003	\$3,500.00/ each
Unit Weight of Core or Compacted Sample	D2726	\$ 43.25/ each
Moisture Content (Xylene Reflux Method)	D-1461	\$ 200.85/ each
Maximum Density of Mix by Marshall Method, Set of 3 (Without Mixing).....		\$ 178.00/ set
Maximum Density of Mix by Hveem Method, Set of 3 (Without Mixing) ...	CAL-304, D-1561	\$ 180.00/ set
Maximum Theoretical Specific Gravity (Rice Method).....	D-2041	\$ 124.00/ each
Index of Retained Strength.....	D-1074, D-1075	\$ 885.00/ each
Index of Retained Strength.....	US Army Corps Method	\$ 605.64/ each

METALS

Tensile, Up to 0.5 sq. in. Cross Sectional Area.....	\$ 65.00/ each*
0.5 sq. in. to 1.8 sq. in.	\$ 76.00/ each*
Greater than 1.8 sq. in.	On Request
Bend Only.....	\$ 32.00/ each
Tensile and Bend, Up to 0.5 sq. in. Cross Sectional Area	\$ 76.00/ each
Tensile and Bend, 0.5 sq. in. to 1.8 sq. in.	\$ 87.00/ each
Tensile and Bend, Greater than 1.8 sq. in.	On Request
Pre-Stress Strands, Tensile and Elongation A-416	On Request
Pre-Stress Wire, Tensile and Elongation A-421	On Request
Machining Costs.....	At Cost + 20%
Weight of Coating (Set of 3) A-90	\$ 113.00/ set
Bolts, Nuts & Washers, Hardness, & Load Tests	On Request

* Does not include machining costs, if required.

WELDING QUALIFICATIONS-STRUCTURAL STEEL (PHYSICAL TEST METHOD-ASME, AWS, API, TITLE 21)

Operator Performance and Procedure Tests.....	On Request
Machining and Material Costs	On Request
Laboratory Testing: Guided Bend Test, face or root	\$ 43.25/ each
Side Bend Test	\$ 43.25/ each
Free Bend Test	\$ 43.26/ each
Tensile Test (reduced section)	\$ 76.00/each*
Macroetch Test.....	\$ 70.00/ each
Fracture Test.....	\$ 48.40/ each
T Bend Test	\$ 65.00/ each
Notch Test	\$ 54.59/ each
Fusion Qualification Test on High Pressure Polyethylene Pipe	On Request
Qualification tests also available by X-ray procedures.....	On Request

* Does not include machining costs, if required.

ROOFING TESTS

Standard Quantitative Analysis.....	\$ 157.59/ each
Weight of Bitumen, Ply Structure Diagram	
Standard Quantitative Analysis With Gravel.....	\$ 190.55/ each
Includes Weight of Gravel	
Quantitative Analysis D-2829	\$ 272.95/ each
Quantitative Analysis (New Roofs) D-3617	\$ 190.55/ each
Unit Weight of Surfacing	\$ 81.37/ each
Unit Weight of Sample.....	\$ 76.00/ each
Diagram of Sample.....	\$ 81.37/ each
Void Analysis.....	\$ 81.37/ each
Ply Type Identification.....	\$ 56.65/ each
Mat Type Identification.....	\$ 59.74/ each
Bitumen Sample Recovery	\$ 216.30/ each
Bitumen Type Identification (Softening Point)	\$ 146.00/ each
Compliance Report.....	On Request
Technical Photograph.....	On Request
Roof Moisture Survey	On Request

TIMBER

Moisture Content Measurements	\$ 21.75 each, + technician's hourly rate
Strip Tension Test	\$ 97.85 each, + Machining cost
Truss Load Test	On Request
Shear Test	On Request
Qualification Test For Adhesives	On Request
Face Joint Bonding Test	On Request
End Joint Bonding Test	On Request

OTHER EQUIPMENT CHARGES

GEOPHYSICAL EXPLORATION EQUIPMENT

Seismograph, Single Channel Bison Model 1570C or Nimbus Model ES-125	\$ 195.00 /day
Seismograph, Twelve Channel Nimbus Model ES1210F	\$ 510.00 /day
Resistivity Meter, Bison Model #2390	\$ 170.00 /day
Soil Test Model R-40C	\$ 139.05 /day
Megger Earth Tester	\$ 108.00 /day
Magnetometer, Portable Proton-Geometrics Model 6816	\$ 195.00 /day
Electromagnetics	\$ 226.60 /day
Terrain Conductivity Meter Geonics Model EM 31	\$ 206.00 /day
Downhole Shear Wave Velocity Measurement	On Request
Blast and Vibration Monitor, VM-100 (Normal set up and takedown)	\$ 412.00 /day
Slope Indicator (4-hour minimum)	\$ 48.41 /hour
Pneumatic Piezometer Indicator Sinco Model 51411-A	\$ 185.40 /day
Sealed Double Ring Infiltrimeter Test Equipment	On Request

VEHICLES

Vehicle, 2 Wheel Drive	\$ 8.75 /hour
Vehicle, 4 Wheel Drive	\$ 16.50 /hour
Mileage, 2 Wheel Drive	\$.55 /mile
Mileage, 4 Wheel Drive	\$ 1.10 /mile
Vehicle Equipped with Standard Field Testing Equipment	\$ 16.50 /hour
Vehicle Equipped with Nuclear Density Testing Equipment	\$ 21.75 /hour
Vehicle Equipped with Ultrasonic, Magnetic Particle, and Dye Penetrant Testing Equipment	\$ 21.75 /hour
Utility Trailer	\$ 38.11 /day
Hydraulic Hand Lift	\$ 32.96 /day

OFFICE EQUIPMENT

Microcomputer, basic software systems and supporting hardware	\$ 21.63 /hour
Mainframe Computer Time-Sharing (per CPU minute)	\$ 9.27 /minute
Camera and Film	\$ 21.75 /week
Computer Connect Time	\$ 7.73 /hour
Disk Storage (per megabyte)	\$ 76.22 /month
Environmental Information Management System Software Surcharge	\$ 16.48 /hour
Project Management and CPM Software Surcharge	\$ 16.48 /hour
Reproduction	\$ 0.52 /page
Telephone	\$ 0.52 /minute
Facsimile Copies	\$ 2.60 /page
Report Surcharge	\$ 38.00 /copy
Large Format Drawing Copies, 20-lb Bond	\$ 2.73 /sq ft
Large Format Drawing Copies, Erasable Vellum	\$ 3.81 /sq ft
Large Format Drawing Copies, Precision Trim	\$ 1.65 /each
Mylar Reproductions	\$ 16.48 /sheet
Autocad Drafting, Hardware and Software	\$ 32.96 /hour
Autocad Drawing Plots	\$ 1.65 /minute
Video Camera	\$ 76.22 /day