

CITY OF BLAINE
REQUEST FOR COUNCIL ACTION
MEETING DATE: August 27, 2007

SUBJECT: Award of Design Contract, 2007-2016 Street Reconstruction Program

SUBMITTING DEPT: Public Works

PREPARED BY: _____
(Digital Signature)

AGENDA LOCATION: ☐ Comments/Communications; ☐ Consent; ☐ Committee Reports
☐ Unfinished Business; ☒ Council Action Items; ☐ Public Hearing; ☐ Standing Committees

ATTACHMENTS: Professional Service Contract (PSC-07-10) with Perteet, Inc.

ANALYSIS / SUMMARY: In April 2007 the City solicited qualifications from engineering firms to provide planning, public involvement, design, and construction management for a multi-year street reconstruction program. These streets which were prioritized by the Street Advisory Committee for the next 10 years of construction including two arterial streets and approximately nine residential streets with an estimated construction cost of \$7 million. Four firms were screened and interviewed in May resulting in staff selection of Perteet, Inc. as the firm best qualified to provide these services. Staff have subsequently negotiated the scope and budget for the first increment of design for the 2008 construction season, H Street and the grouping of Boblett, Cedar, and Clark. Also included is preliminary aerial survey work and updated cost estimates on the remaining streets in the program so that the City can identify more accurately the extent of construction that can be funded in this 10-year program.

RECOMMENDATION: ☒ Waive 2nd Reading. Staff recommends that City Council authorize the City Manager to sign the attached professional services contract with Perteet, Inc. for complete design of H, Boblett, Cedar, and Clark Streets for 2008 construction and provide aerial mapping and cost estimates for the remaining streets.

FISCAL ANALYSIS: This \$575,445 design contract will be funded from Fund 333 using revenue collected from property taxes dedicated to street improvements by Resolution #1447-06 and reserved in Fund 333.

REVIEWED BY:

City Manager _____ Finance Director _____ City Clerk _____
(Digital Signature) (Digital Signature) (Digital Signature)

COUNCIL ACTION:
☐ Approved ☐ Denied ☐ Tabled/Deferred ☐ Assigned to: _____

COUNCIL ACTION: _____



CITY OF BLAINE PUBLIC WORKS DEPARTMENT

1200 YEW AVENUE • BLAINE, WA • 98230
PHONE: 360.332.8820 • FAX: 360.332.7124 • WEBSITE: www.cityofblaine.com

PROFESSIONAL SERVICES CONTRACT

Project Title Street Reconstruction Program (2007-2016)

Contract No: PSC-07-10

City Project No: P07-16

Effective Date: August 28, 2007

Expiration Date: December 31, 2009

Distribution: ☐ City Clerk; Original No 1
☐ Consultant; Original No 2
☐ PWD Senior Accountant; copy
☐ PWD Project File; copy

THIS AGREEMENT is between the City of Blaine, a municipal corporation (hereinafter referred to as “City”) and Perteeet, Inc. (hereinafter referred to as “Consultant”).

WITNESSETH:

1. SCOPE

Consultant agrees to provide consulting engineering services to City for design of various Blaine street reconstruction projects identified by the Street Advisory Committee. A more detailed description of the scope of services is attached hereto as Exhibit “A” and incorporated herein by this reference.

2. TERM

This Contract shall commence on the Effective Date noted above, and shall expire on the Expiration Date noted above, unless extended by separate amendment to this Contract.

3. COMPENSATION, INVOICING, PAYMENT

A. City shall pay Consultant on a time and material basis not to exceed **Five Hundred Seventy-Five Thousand Four Hundred Forty-Five and No One-Hundredths Dollars (\$575,445)** for completed work and services rendered under this Agreement as provided in “Exhibits B1, B2, and B3” attached hereto, and by this reference made part of this Agreement. City shall not pay Consultant separately for indirect or normal business overhead costs (e.g., office rental, office supplies, postage, telephone, fax, business insurance, office utilities, routine correspondence preparation, invoicing, or payment receipt processing and accounting).

B. Consultant shall submit monthly invoice statements to Public Works Department / 1200 Yew Avenue / Blaine, WA 98230 and shall include the following information:

1. For direct professional services:
 - a. An itemized short description of the task performed and the specific time period,

- b. The name(s) of the corresponding person(s) performing the task,
 - c. The corresponding hourly reimbursement rate(s) of the person(s) performing the task,
 - d. The corresponding hours, to the nearest quarter of an hour, spent performing each task,
 - e. Work task subtotal cost (hours x hourly rate), and
 - f. Subtotal for direct professional services.
2. For any other direct charges:
 - a. Qualified mileage charges: A short description of the trip's purpose, date, mileage for the trip, mileage reimbursement rate, and total charge (mileage x rate).
 - b. All other charges: An itemized short description explaining the charge, the reimbursable cost, and a subtotal of all such charges.
 - c. Subtotal for indirect or other charges.
3. Any past-due amounts.
4. Uninvoiced balance remaining on each work task.
5. Total amount of the invoice.

City shall review these submitted invoices and make payment based thereon for work completed to City's satisfaction. City shall pay Consultant all undisputed amounts within 30 days of receipt of Consultant's invoice. Such payment shall be full compensation for work performed or services rendered and for all labor, materials, supplies, equipment, and incidentals necessary to complete the work specified in the Scope of Services. City shall promptly notify Consultant of any disputed invoice amounts.

4. RELATIONSHIP OF PARTIES

Consultant and its personnel shall act as independent contractors and not as employees of City. As such, they have no authority to bind City or control employees of City, contractors, or other entities. This Agreement does not create a partnership or joint venture between Consultant and City.

5. PROJECT OVERSIGHT

Within the performance of these duties, Consultant shall work under the direction of the Public Works Director. Consultant specifically understands that no City employee other than the Public Works Director is authorized to direct the work of Consultant unless the Public Works Director designates in writing another representative of City to provide such direction. The Public Works Director may, at any time, issue written directions within the general scope of this Agreement. If any such direction causes an increase or decrease in the cost of this Agreement or otherwise affects any other provision of this Agreement, then Consultant shall immediately notify the Public Works Director and take no further action concerning those written directions until such time as the parties have executed a written change order.

6. LICENSE AND TAXES

Consultant shall possess a current Blaine Business License and any regulatory license(s) required to fulfill its obligations under this Agreement. Furthermore, Consultant agrees to pay when due all taxes, assessments, levies or tariffs.

7. INSURANCE AND HOLD HARMLESS

Prior to and during the performance of the work covered by this Agreement, Consultant shall provide to City evidence that it has obtained and maintains in full force and effect during the term of this Agreement:

- (a) A policy of professional insurance, providing coverage of at least One Million Dollars (\$1,000,000) against professional liability for errors and omissions in connection with the work to be performed by Consultant under this Agreement;
- (b) Workers' Compensation Insurance as required by law with an all-states endorsement;
- (c) Employer's Liability Insurance (bodily injuries) with a limit of One Hundred Thousand Dollars (\$100,000) per occurrence with an insurance company authorized to write such insurance in Washington State; and

- (d) Comprehensive General Liability Insurance and Automobile Liability Insurance covering all owned and non-owned automobiles and vehicles used by or on behalf of Consultant with One Million Dollars (\$1,000,000) combined single limit for bodily injury and/or property damage per occurrence and an annual aggregate limit of One Million Dollars (\$1,000,000).

City shall be provided thirty (30) days' written notice of any cancellation of said professional liability insurance. City shall be listed as an additional insured on policies listed in (d) above.

Consultant agrees to indemnify City, its officers, council members, employees and agents for any claims, damages, losses, and costs, including, but not limited to, reasonable attorney's fees and litigation costs, arising out of claims by any third parties for property damage or bodily injury, including death, to the extent arising from the negligence or willful misconduct of Consultant, Consultant's employees, affiliated corporations, and subcontractors in connection with the project.

City agrees to indemnify Consultant from any claims, damages, losses, and costs, including, but not limited to, reasonable attorney's fees and litigation costs, arising out of claims by third parties for property damage or bodily injury, including death, to the extent arising from the negligence or willful misconduct of City, or its employees or contractors (other than Consultant) in connection with the project.

8. WARRANTY

Consultant warrants that their services will conform to the standard of care applicable to the services covered by this Agreement, and that they shall be performed with the degree of skill and diligence normally employed by professional consultants performing the same or similar work.

9. REMEDIES

In the event of a default hereunder, or in the event that Consultant fails to perform the Project work in conformance with the standard of care set forth in Section 8, Warranty, then City may, in addition to exercising all of those rights and remedies available to it in law and equity, (i) terminate the Contract, (ii) cure any defect arising from Consultant's negligence, recklessness or willful misconduct and charge the cost of such repair back to Consultant, and/or (iii) seek specific remedial performance under the Contract at no additional cost to City. The remedies provided for herein are cumulative.

10. GENERAL CONDITIONS

- A. Reports and Information.** Consultant, at such times and in such forms as City may require, shall furnish City such reasonable periodic reports and documents as it may request pertaining to the work or services undertaken pursuant to this Agreement, the costs and obligations incurred or to be incurred in connection herewith, and any other matters covered by this Agreement.

Consultant will maintain accounting records in accordance with generally accepted accounting principles and practices to substantiate all invoiced amounts. All plans, drawings, reports, specifications, data, information or other documents provided to Consultant and/or prepared or assembled under this Agreement are and shall remain the sole property of City. Consultant explicitly waives all claims to propriety ownership and/or copyrights associated with any work product produced under this Agreement. Consultant shall retain all such documentation generated in conjunction with the undertaking of the Project, and Consultant shall, upon completion, termination, expiration and/or conclusion of the Project, provide same to City.

- B. Entire Agreement.** This Agreement constitutes the entire agreement between the parties and both parties acknowledge that there are not other agreements, written or oral, that have not been fully set forth in the text of this Agreement.

- C. Amendments.** The parties hereby further agree that this Agreement cannot be amended or modified without the written concurrence of both parties.

- D. Notices.** Any notices required to be given by City to Consultant or by Consultant to City shall be in writing and delivered to the parties at the following addresses by certified mail, return receipt requested:

Blaine City Clerk
344 H Street
Blaine, WA 98230

Perteet, Inc
2707 Colby Avenue, Suite 900
Everett, WA 98201

With a copy to:

Blaine Public Works Director
1200 Yew Street
Blaine, WA 98230

- E. Waiver.** Failure to insist upon strict compliance with any terms, covenants or conditions of this Agreement shall not be deemed a waiver of such, nor shall any waiver or relinquishment of such right or power at any time be taken to be a waiver of such, nor shall any waiver or relinquishment of such right or power at any time be taken to be a waiver of any other breach.
- F. Compliance with State, Local and Federal Laws.** Consultant agrees to comply with all applicable local, state and federal laws in performance of all services under this Agreement.
- G. Applicable Law; Venue.** This Agreement shall be construed and interpreted in accordance with the laws of the State of Washington, and in the event of dispute, the venue of any action brought hereunder shall be in Whatcom County Superior Court.
- H. Attorney Fees.** The substantially prevailing party in any litigation arising hereunder shall be entitled to its reasonable attorney's fees and court costs, including appeals, if any.
- I. No Conflict of Interest.** Consultant covenants that it presently has no interest and shall not acquire an interest, directly or indirectly, which would conflict in any manner or degree with its performance under this Agreement. Consultant further covenants that in the performance of this Agreement, no person having such interest shall be employed by any of its subcontractors or sub-consultants.
- J. Payment of Subcontractors and Sub-Consultants.** At the time of completion of the Work, Consultant agrees to certify to City that all subcontractors and sub-consultants have been paid in full. Consultant shall be responsible for the performance of any subcontractor or sub-consultant. All such subcontractors or sub-consultants shall possess all licenses and insurance as required by the laws of the State of Washington and as are required of Consultant under this Agreement. City may, in its sole discretion, withhold final payment until receipt of such certification.
- K. Confidentiality.** Any reports, documents, questionnaires, records, computer files, information and/or data given to or prepared or assembled under this Agreement shall not be made available by Consultant to any individual or organization without prior written approval of City except as may be required by law, rule, regulation, or ordered by a court of competent jurisdiction. The provisions of this section shall survive the expiration or earlier termination of this Agreement. No reports, records, questionnaires, information, data, software programs and/or computer files provided by City or other documents produced in whole or in part by Consultant under this Agreement, shall be the subject of an application for copyright by or on behalf of Consultant.
- L. Public Disclosure.** Correspondence, reports and other written work product will be generated during the course of the relationship created by this Agreement, and third parties may request such information pursuant to the Washington State Public Disclosure Act (RCW 42.17.250 *et. seq.*). Consultant agrees that in the event that such a request is filed, Consultant will promptly notify City. Consultant further agrees that it will not disclose any such requested material until at least

ten (10) business days after providing notification to City. This clause shall survive the termination or expiration of this Agreement.

11. NONDISCRIMINATION

Consultant shall not discriminate in employment or services to the public on the basis of sex, race, color, creed, national origin, age, marital status, physical, mental or sensory handicap except an employment action based on a bona fide occupational qualification.

12. ARBITRATION

In an effort to resolve any conflicts that arise during the design or construction of the project or following the completion of the project, City and Consultant agree that all disputes between them arising out of or relating to this Agreement shall be submitted to non-binding mediation, unless the parties mutually agree otherwise.

City and Consultant further agree to include a similar mediation provision in all agreements with independent contractors and consultants retained for the project and so on at all sublevels, thereby providing for mediation as the primary method for dispute resolution between the parties to those agreements.

13. TERMINATION

- A. **For Convenience.** City may, but is not obligated to, unilaterally terminate this Contract for convenience if funds become unavailable, or if Consultant suffers a business operation discontinuity or interruption (e.g., bankruptcy, dissolution, merger, hostile takeover), or if any of the personnel that Consultant originally proffered to perform the Scope of Services changes.
- B. **For Non-Compliance.** City or Consultant may unilaterally terminate this Contract if either party fails substantially to perform, through no fault of the other, and does not commence correction within five (5) days of written notice and diligently complete the correction thereafter. Upon such termination, City will be entitled to reports showing the status of all matters upon which Consultant was advising City as of the effective date of termination.

IN WITNESS WHEREOF the parties hereto have executed this Agreement the date and year indicated.

CONSULTANT:

Peter De Bolt
Principal

Date

CITY OF BLAINE:

Gary R. Tomsic
City Manager

Date

DEPARTMENTAL APPROVAL:

Stephen R. Banham
Public Works Director

Date

ATTEST:

Sheri Sanchez
City Clerk

Date

Exhibit A

SCOPE OF SERVICES

ENGINEERING SERVICES STREET RECONSTRUCTION PROGRAM (2007-2016)

During the term of this Contract, Pertee Inc. (CONSULTANT) will perform professional services for the City of Blaine (CITY), as detailed below:

INTRODUCTION

This project will reconstruct existing residential streets to a cross section that includes 28 foot pavement width, curb and gutter on both sides and sidewalk on one side. The pavement width in areas zoned other than residential (i.e. Clark St) may be increased to 40 feet to provide for additional on street parking. The pavement width will be increased to 46 feet for the H Street arterial project and for the Hughes Avenue arterial project. The project also includes enhancing the bicycle and pedestrian network where appropriate, installing traffic calming and low impact development features where appropriate and providing street trees and landscape restoration of disturbed areas.

GENERAL SCOPE OF SERVICES

This agreement involves three general phases of work as follows:

- A preliminary phase consisting of development of refined opinions of cost and potential grant assistance for each of the 11 projects included in the Blaine Residential Street program.
- Development of construction bid documents (PS&E) in packages to be designated by the City (Phase 1 work). Multiple bid packages are anticipated with construction anticipated in 2008, 2009 and 2010.
- A final phase (Phase 2 work) consisting of assistance through the bidding process, construction management and oversight.

The current contract is for Phase 1 work for:

- | | |
|---------------------------|---|
| • H Street Reconstruction | Ludwick Avenue to Vista Terrace. (approx. 2,640 feet) |
| • Boblett Street | Mitchell to Peace Portal. (approx. 2,380 feet) |
| • Cedar Street | Mitchell to Peace Portal. (approx. 2,310 feet) |
| • Clark Street | Peace Portal to 3rd Street. (approx. 400 feet) |

H Street Reconstruction will be partially funded by the Transportation Improvement Board (TIB) with construction bid documents prepared for anticipated construction in 2008. Boblett Street, Cedar Street and Clark Street will be combined into one construction bid document set with anticipated construction in 2008.

Phase 1 includes the following tasks for H Street, and the combined Boblett/Cedar/Clark Street projects:

- Task 1 Project Management
- Task 2 Preliminary Opinion of Cost
- Task 3 Public Involvement Program

Task 4 Environmental Documentation/Permitting

Task 5 Surveying/Basemapping

Task 6 Geotechnical Report

Task 7 Hydraulic Analysis for Final Design

Task 8 Utility Coordination

Task 9 Plans, Specifications & Estimate

In addition, the current contract also includes the preparation of a Preliminary Opinion of Cost and providing Grant Assistance for the following projects:

- | | |
|---------------------------|---|
| • 4 th Street | A Street to D Street |
| • 9 th Street | G Street to H Street |
| • B Street | 2 nd Street to 5 th Street |
| • E Street | 6 th Street to 12 th Street |
| • Hughes Avenue | Peace Portal to 3 rd Street |
| • 11 th Street | H Street to B Street |

OPTIONAL SERVICES (Future Phases)

Optional services that may be performed include:

- Complete Design Services on
 - 4th Street A Street to D Street
 - 9th Street G Street to H Street
 - B Street 2nd Street to 5th Street
 - E Street 6th Street to 12th Street
 - Hughes Avenue Peace Portal to 3rd Street
 - 11th Street H Street to B Street
- Construction Services
- Preparation of a NEPA Environmental Document
- Design of utility revisions
- Review of proposed sewer line on H Street
- Development of a Roundabout on H Street at Ludwick Avenue
- Additional public involvement services

Provision of optional services will require a supplement to this agreement.

TIME FOR COMPLETION

All work under Phase 1 of this contract shall be completed within 9 months of Notice to Proceed.

PHASE 1

TASK 1.0 PROJECT MANAGEMENT

- 1.1 Schedule and coordinate with consultant and subconsultant personnel and equipment.
- 1.2 Prepare project charter, detailed work plan, and change management procedure.
- 1.3 Prepare, monitor, and update project schedule. Schedule will be developed using MS Project 2000. Monitor project budget. Schedule will be updated on a monthly basis.
- 1.4 Prepare monthly billings, progress reports, and updated monthly project schedule.
- 1.5 Communicate with key City staff every other week with regularly scheduled telephone calls and up to three (3) face-to-face meetings as required to review project status and coordinate activities for current work tasks. Prepare and distribute meeting minutes.
- 1.6 Maintain a web based (using SharePoint or equivalent) project management / coordination system that will allow all team members access to up-to-date project files.
- 1.7 Quality Assurance/Quality Control program. The CONSULTANT will conduct an internal quality assurance program prior to major submittals. Major submittals are defined as the draft and final SEPA Checklists, the draft and final Geotechnical Reports, project basemapping, as well as the 60% and 90% Design and Final PS&E. This task will supplement the continuous quality assurance program by conducting a detailed review of each major submittal for compliance with project criteria and consistency with the project goals.

Deliverables:

- Meeting minutes from face-to-face management coordination meetings, submitted via e-mail in MS Word format within 3 working days of the meeting.
- Project charter, detailed work plan, and change management procedures submitted via e-mail in PDF format. If changes occur, submit revised materials via e-mail in PDF format.
- MS Project Gantt Schedule submitted monthly in hard copy with project invoices via US Mail.
- Invoice and project reports submitted monthly in hard copy via US Mail.

TASK 2.0 PRELIMINARY OPINION OF COST

- 2.1 A site visit will be conducted to verify construction feasibility and/or to identify resolution of challenging site features. Photos will be taken during the site visit. Develop a sketch of proposal improvements on available aerials of City GIS information. Investigate the feasibility of a roundabout for the intersection of H Street and Ludwick Avenue based on the expected size of the roundabout and the existing site conditions (existing rights-of-way and topography). If a roundabout is deemed feasible and the City decides to include it in the construction contract documents, the additional work will be covered by a supplement.
- 2.2 Provide preliminary construction opinion of cost for improvements with contingencies for each project.
- 2.3 Grant Assistance.

Deliverables:

- Sketch plan view of each proposed improvement in PDF format.
- Preliminary construction opinion of cost via email in Excel format.

TASK 3.0 PUBLIC INVOLVEMENT PROGRAM

The key goal of the public involvement program is to garner community informed consent for the proposed improvements by providing public information and opportunities for public involvement in the project development and decision process. Tasks to achieve this goal include:

3.1 Design Charrettes

3.1.1 Charrette Preparation

After consulting with City staff, the Consultant will meet and interview identified interested parties and groups including participating staff, to ensure key issues are addressed and to encourage active participation at the Charrette. Conduct stakeholder interviews with residents, users, community leaders and elected officials early in the process to learn key issues. This information will be used to prepare a baseline of concerns to be addressed during the preliminary design and environmental documentation tasks. The consultant will prepare an agenda for the Design Charrette with the assistance of City staff. It is assumed that one charrette will be held for Boblett, Cedar and Clark Streets. .

3.1.2 Workshop Meeting Preparation

The consultant will prepare appropriate base plans, graphics, and illustrations for the Design Charrette. This includes meeting agendas, sign-in sheets, comment cards, aerial photographs, topographic base plans, pens, pencils, scale, and drafting equipment, etc. for each work table.

3.1.3 Workshop Facilitation

The Consultant will facilitate the four to five hour Design Charrette workshop according to the approved agenda. Presentations of the project purpose and need, general boundaries for the project design, conceptual concepts that have been developed jointly with City staff, and supporting traffic analysis will be made. Additionally, the Consultant team will provide professional staff to facilitate each worktable. Community participants will prepare alternative streetscape concepts and present the same at the end of the day.

A summary will be prepared of the comments received from Design Charrette participants.

Deliverables:

- Meeting Minutes from charrette preparation interviews, submitted via e-mail in MS Word format.
- Charrette agenda, submitted via e-mail in MS Word format.
- Base plans, graphics, and illustrations for the Design Charrette in hard copy format.
- Summary of comments from Design Charrette participants, along with intended action, submitted via e-mail in MS Excel format.

3.2 Open Houses

The CONSULTANT will be responsible for preparing all necessary materials for two Open Houses for the H Street project. The first Open House will occur once the preliminary design concepts have been developed. This Open House will give the public an opportunity to provide feedback on the project and ensure that their goals and concerns for the project have been addressed. The second Open House will be tied to the completion of the 90% Design. The second Open House will be used to inform the public of anticipated construction timelines and impacts. The Consultant team will assist the CITY in preparing mailers, and staff the Open Houses. The CONSULTANT will also draft text and design for newspaper display ads or articles, which the CITY will place. CITY staff will produce and distribute the open house announcement mailers,

arrange for the meeting space, and will prepare comment forms and sign-in sheets. CITY staff and CONSULTANT team members will attend the Open Houses to help answer questions and observe first-hand the responses from the public.

The CONSULTANT will also be responsible for preparing all necessary materials for one Open House for the Boblett Street/Cedar Street/Clark Street projects. This Open House will be tied to the completion of 90% Design. It will be used to inform the public of anticipated construction timelines and impacts.

Deliverables:

- Open House mailers original (8.5" x 11", tri-fold) announcements submitted in MS Word or MS Publisher and PDF format. City will print and distribute mailers.
- Draft and final text and design for newspaper display ads or articles.
- Comment form, submitted via e-mail in MS Word format.
- Summary of Open House comments, submitted via e-mail in MS Excel format.
- Display boards, foam-core mounted (up to 10 for each Open House) and electronic copies of display materials suitable for web posting (PDF or alternate).

3.3 Council Briefings

The Consultant, with City staff, will conduct one meeting with the City Council to keep the Council informed of project progress.

Deliverables:

- PowerPoint presentation for Council briefing.
- Brief summary of presentation for inclusion in Council pre-meeting packets, submitted via e-mail 1-week before the presentation.-

TASK 4.0 ENVIRONMENTAL DOCUMENTATION/PERMITTING

The environmental review process will focus on meeting the requirements of the State Environmental Policy Act (SEPA). Currently, Federal funding is not planned to be used for the first phase projects. Any environmental documentation to comply with the National Environmental Policy Act (NEPA) will be performed as an Optional Service. At this time, separate SEPA checklists are assumed for the H Street project, and for the Boblett/Cedar/Clark Streets project, with expanded discussions based on the technical memoranda prepared under this task. Additional assumptions include:

- No noise measurements or modeling will be done. Any noise discussion in the SEPA document will be qualitative only.
- There are no ESA related issues on either project.
- There are no wetlands on either project.

4.1 SEPA Checklists

The Consultant will prepare separate draft SEPA Checklists for the H Street project, and for the Boblett/Cedar/Clark Streets project. The City will review the draft SEPA Checklists and provide the CONSULTANT with a consolidated set of comments. The CONSULTANT will revise the draft SEPA Checklists in response to CITY staff comment and return a final version for City action. The City will print and distribute the final SEPA Checklists.

Deliverables:

- Submit draft SEPA Checklist via e-mail in MS Word format.
- Submit final SEPA Checklist via e-mail in MS Word and PDF format.

4.2 Cultural Resources Review

Pursuant to the Governor's Executive Order 05-05, capital projects not undergoing a Section 106 review under National Historic Preservation Act of 1966 must coordinate with the Washington State Department of Archaeology and Historic Preservation (DAHP) and the Governor's Office of Indian Affairs (GOIA) to determine the presence and potential impacts to cultural resources. This review for cultural resources only applies to projects with state funding, and is therefore only applicable to the H Street project. The Consultant will initiate the review by preparing written documentation of any historic sites or structures within the area of potential affect of a project. The Consultant will conduct an onsite reconnaissance and records search at the offices of DAHP in Olympia. The Consultant will compile the results of the research and submit these results in the specific template format developed by the DAHP (EZ Forms 1, 2, and 3) to DAHP.

If DAHP should determine that cultural resources exist onsite and there is a potential for impacts, the DAHP may require that the City conduct full surveys and consult with both DAHP and GOIA to establish exact impact descriptions and any mitigation that may become necessary. If that level of consultation is required, it shall be covered under separate scope from this initial review.

Deliverables:

- Submit draft submittal of cultural resource EZ Forms to DAHP via hard copy.
- Submit final cultural resource EZ Forms to DAHP via hard copy.

TASK 5.0 SURVEYING/BASEMAPPING

An aerial flight will be conducted to collect aerial photogrammetry for all of the projects identified in the General Scope of Services. Aerial control surveys will be conducted under this Phase 1 contract, but basemaps from the aerial flight will only be prepared for the Phase 1 projects.

Services to be provided include aerial survey and photogrammetry, control surveys, ground based topographic and planimetric mapping completion surveys. This information will be supplemented by GIS information provided by the CITY to identify approximate location of City utilities.

The CONSULTANT will procure utility locate services for utility paint marking prior to field survey. Utilities will be located in horizontal plane only, the utility location service will not investigate the depth of existing utilities. Wetlands and ordinary high water marks (OHWM) will also be delineated using different color flags for wetlands and OHWMs prior to the field survey.

The aerial survey will be used to prepare 1"=20, 1-foot contour interval design mapping for the Phase 1 project. At project end match points, and in areas obscured by trees, field surveys will be prepared to supplement the aerial flight information.

Mapping limits will extend 50-feet either side of the roadway centerline for each project, and for 500-feet beyond the project limits (for conditions where the roadway continues, where the project roadway ends in a T-intersection, mapping will extend 50-feet beyond the opposite side of the T-intersection). Intersecting roadways will be mapped for a distance of 300-feet from the main roadway centerline.

5.1 Control Surveys

Control surveys for the project will include datum control surveys, ground control for topographic completion surveys and control surveys for road right-of-ways. Parcel boundary calculations will not be conducted. Instead, City GIS information will be relied on for approximate parcel boundary locations. Any property corners discovered during the field survey will be surveyed and included in the project basemaps.

Datum control surveys will be to provide the project in Washington State Plane Coordinate System (WSPCS), North Zone (NAD 83/91) horizontal datum; and North American Vertical Datum (NAVD 88). We will identify or establish horizontal control points and vertical benchmarks for the aerial survey of the project, and additional horizontal and vertical control points for both the H Street and Boblett/Cedar/Clark Streets projects that can be used for control during construction.

5.2 Topographic Mapping Surveys

A combination of aerial and ground based topographic surveys will be provided to generate basemaps at a 1"=20' scale and to prepare DTM generated 1-foot contours. Field survey (when conducted to supplement aerial survey) shall pick up curbs, edges of pavements, drainage structures, fences, mailboxes, retaining structures, culverts, guard rails, utility surface features, field markings of existing utilities (that are present at the time of the survey), traffic and business signs, striping, trees, and limits of landscape areas. It is assumed that underground utility information will be obtained from the City's GIS system. No specific utility locates are part of this scope of work.

Surveying the horizontal and vertical location of wetland delineation flagging, ordinary high water mark, soil boring and ground-water monitoring wells is included in the item. CONSULTANT shall provide advance notification of survey work on private property. CITY will obtain Right of Entry for survey on private property. CONSULTANT shall use appropriate signage and traffic control devices while performing field survey work.

All topographic survey mapping will be delivered in digital AutoCAD format, with standard APWA layering, symbology and attribute conventions. All mapping will be two-dimensional with individual line segments connecting points. Final digital files are to be contiguous at a 1 to 1 scale in model space. Point data blocks will include number identifier; elevation and description fields will also be included. Mapping is to be planimetric with digital terrain modeling. The mapping will comply with the National Map Accuracy Standards for 1" = 20' scale mapping, 1-foot contour interval.

5.3 Basemapping

Compile the aerial and field topographic survey into a project base map based on APWA standard layers, line types and symbols, developed from APWA standards, using AutoCAD. Integrate the aerial digital orthophotography as a background.

Deliverables:

- A continuous basemap file using AutoCAD with field survey data, orthophotography background, DTM surface, and support files suitable for external referencing into design files.

TASK 6.0 GEOTECHNICAL REPORT

We will conduct a geotechnical investigation and evaluation study that includes the follows:

6.1 Review Existing Geotechnical Information and Obtain Background Information.

We will start by reviewing available existing geotechnical and geologic information in the site vicinity. We will request from the City of Blaine any information available in their possession pertaining to the construction and maintenance history of the pavement as well as any geotechnical exploration information in the areas of interest.

6.2 Conduct Subsurface Investigation

Geotechnical subsurface exploration will be conducted to obtain engineering soil properties needed for the retaining walls, street light poles and storm water facility. We propose to drill 4 borings for H Street, one at the proposed infiltration pond and 3 along the alignment and proposed retaining wall locations. We assume that we will need one day of machine-drilled borings, and one day of test pitting. Each exploration will extend sufficiently to penetrate any overlying loose or compressible material, and will terminate in competent glacial soil.

For the proposed storm water pond, we will dig two test pits and drill one boring at the designated storm water pond area. The test pits will be excavated to about 12 feet below ground surface. The boring will be drilled to a depth of at least 20 feet and a 2-inch diameter slotted standpipe piezometer will be installed.

We propose to drill 5 borings for Boblett Street, Cedar Street and Clark Street and excavate 2 test pits along the alignment and proposed location of infiltration pond. We assume that we will need one day of machine-drilled borings, and one day of test pitting.

For all work impacting traffic, we will subcontract traffic control personnel. We will submit traffic control plans for review and approval prior to the field work. We assume that street use permits will be paid for by the City.

6.3 Pavement Design Investigations

We anticipate for H Street that an overlay may be required to match the new grades and accommodate the increased traffic. A series of pavement cores will be drilled in the existing travel lanes, to determine the existing pavement and base layer thicknesses, and to evaluate the subgrade soil conditions. This information will be used to help define the pavement section for widened areas, and to ascertain whether an overlay thickness for the overlaid section (or if the existing pavement section is exceptionally thin, whether an entirely new pavement section should be considered). We propose to drill 6 cores evenly spaced along the alignment of the project. The cores will be staggered between the eastbound and westbound travel lanes and will be patched with quick-curing ready-mix concrete.

We propose for Boblett, Cedar Street and Clark Street to conduct 6 pavement cores drilled in the existing travel lanes, to determine the existing pavement and base layer thicknesses, and to determine the subgrade soil conditions. This information will be used to help define the pavement section for widened areas, and to ascertain whether an overlay thickness for the overlaid section (or if the existing pavement section is exceptionally thin, whether an entirely new pavement section should be considered). The core holes will be patched with cold patch.

Traffic control for both H Street project and Boblett Street, Cedar Street and Clark Street project will be required for coring operations. We will subcontract traffic control personnel. We will submit traffic control plans for review and approval prior to the field work. We assume that street use permits will be provided for by the City.

6.4 Laboratory Testing

We will perform laboratory tests on selected soil samples retrieved from the test borings and test pits, for purposes of classifying the engineering and index properties of site soils along the alignment. Tests will include natural moisture content, grain size analyses, hydrometer tests, Atterberg limits, CBR tests, and Modified Proctor moisture-density relationship.

6.5 Geotechnical Engineering Analysis.

Utilizing the subsurface data obtained from our field explorations and laboratory testing, we will provide recommendations for design of retaining structures as required for H Street.

We will evaluate street light pole requirements, and provide appropriate design and construction recommendations. We assume that the street light poles will conform to WSDOT Standard Plans, and we will provide design recommendations consistent with current WSDOT practice.

Utilizing the subsurface data obtained from our field explorations and laboratory testing, we will evaluate the infiltration capacity of existing soils and provide recommendations as appropriate for Boblett Street, Cedar Street and Clark Street.

At the proposed storm water detention pond for both H Street and Boblett Street, we will evaluate the infiltration capacity of existing soils and provide recommendations as appropriate. Our analyses will be performed in general accordance with the requirements of Ecology (2005) Storm Water Management Manual for Western Washington.

Pavement design will be performed for both H Street and Boblett Street based on the subgrade conditions encountered in our subsurface explorations. Overlay and new pavement design will be based on traffic estimates, which we assume will be provided by City.

6.6 Geotechnical Report

We will prepare a final geotechnical engineering report presenting the results of our investigation, and our conclusions and recommendations. The report will include a site plan (using a base map and topographic survey provided by others) showing the exploration locations along with our field and laboratory data. We will include the results of our analyses, and design recommendations for walls, street light pole foundations, storm water ponds, pavement design, and earthwork.

Deliverables:

- Draft Geotechnical Report
- Final Geotechnical Report

TASK 7.0 HYDRAULIC ANALYSIS FOR FINAL DESIGN

Stormwater management on the project include developing design alternatives that includes conventional drainage features and low impact development (LID) features, where deemed appropriate, for stormwater quality treatment and flow control. Then, building upon this information, the CONSULTANT will prepare final drainage design plans to be incorporated in the project construction plans, supporting drainage calculations, and a hydraulics report. The drainage design will be in accordance with the Washington Dept. of Ecology 2005 "Stormwater Management Manual for Western Washington" (e.g., WDOE Manual), and the Washington State Dept. of Transportation 2007 "Hydraulics Manual" for storm conveyance; limited to the task items described herein. The "Low Impact Development Technical Guidance Manual for the Puget

Sound”, 2005, published by the Puget Sound Action Team, will be used as a technical resource. Tasks to achieve the drainage design include:

7.1 Drainage Site Assessment & Basin Maps

7.1.1 Drainage Basin Maps for H Street: Prepare drainage basin maps showing threshold discharge areas, contributing off-site basin areas, and direction of flow. Research and gather City drainage and basin map records, and field verify contributing off-site basins by visual observation. Also show existing and proposed impervious areas.

7.1.2 Drainage Basin Maps for Boblett/Clark/Cedar Streets: Prepare drainage basin maps showing threshold discharge areas, contributing off-site basin areas, and direction of flow. Research and gather City drainage and basin map records, and field verify contributing off-site basins by visual observation. Also show existing and proposed impervious areas.

7.1.3 Drainage Site Assessment Mapping for H Street: Prepare drainage site assessment map showing existing drainage features, direction of flow, outfall locations, sensitive areas of record, land-cover, soil type (using NRCS soils survey maps), and receiving waters. Evaluate the feasibility of using infiltration LID techniques, by means of coordination with the geotechnical engineer. Identify type, and location of infiltration facilities (such as rain gardens, gravel galleries, infiltration trenches with amended soil, etc.).

7.1.4 Drainage Site Assessment Mapping for Boblett/Clark/Cedar Streets: Prepare drainage site assessment map showing existing drainage features, direction of flow, outfall locations, sensitive areas of record, land-cover, soil type (using NRCS soils survey maps), and receiving waters. Evaluate the feasibility of using infiltration LID techniques, by means of coordination with the geotechnical engineer. Identify type, and location of infiltration facilities (such as rain gardens, gravel galleries, infiltration trenches with amended soil, etc.).

7.1.5 Downstream Analysis for H Street: Perform a Downstream Analysis extending to ¼ mile from the project site. The downstream analysis is a visual inspection of the drainage conveyance route that identifies the condition of the channel by noting evidence of sedimentation or erosion, points of restriction (such as apparent undersized culverts), and general qualitative assessment of the route. The reporting includes preparing a map showing the downstream route, and a written summary of findings. This is to be included in the Hydraulics Report for the project.

7.2 Concept Drainage Plans & Alternative Assessment

Building upon the information gathered in the previous tasks, The CONSULTANT shall prepare conceptual drainage layout plans for each of the two project areas separately divided into: H Street and Boblett/Clark/Cedar streets. Concurrence and approval from the CITY of the drainage basins and site assessment maps is needed prior to commencing Task 7.2.

7.2.1 Concept Drainage Plans for H Street: Prepare up to 2 drainage layout alternatives showing a proposed plan view schematic of pipes, ditches and outfalls, direction of flow, and approximate location of drainage facilities. Each concept plan will identify type and location of the stormwater treatment facility. Identify the equivalent impervious area to have storm runoff treatment. It is assumed that the stormwater facility will be an infiltration facility or wetpond located in Lincoln Park to provide water quality treatment. It is assumed that no detention will be required for the project. It is assumed that no detailed sizing or drainage calculations would be prepared at this stage of concept development.

7.2.2 Concept Drainage Plans Boblett/Clark/Cedar Streets: Prepare up to 2 drainage layout alternatives showing a proposed plan view schematic of pipes, ditches and outfalls, direction of flow, and approximate location of drainage facilities. Each concept plan will identify type and location of the stormwater treatment facility. Identify the equivalent impervious area to have storm runoff treatment. It is assumed that the stormwater facility will be either infiltration trenches, or underground water quality vaults. It is assumed that no detention will be required for the project. It is assumed that no detailed sizing or drainage calculations would be prepared at this stage of concept development.

7.2.3 Reporting & Presentation of Concept Drainage Alternatives: Using the concept layouts discussed above, conduct a conference call to identify a preferred concept to use as a basis for final design for both the H Street and Boblett/Clark/Cedar projects. Prepare meeting minutes summarizing the design approach to be utilized in final design based on the conference call.

Deliverables:

- Concept drainage layouts in hard copy form.
- As a follow-up to the conference call, meeting minutes summarizing the selected alternative for final design.

7.3 Final Drainage Calculations & Hydraulics Report

The CONSULTANT will prepare stormwater calculations, drainage exhibits, and summary of findings and recommendations, to be incorporated into a technical memorandum. The drainage design approach identified through the selection process, described in Task 7.2 above, with City input, will be used to prepare the final drainage documents. In the event that a stormwater vault is selected in the course of the design, the stormwater vault design will include civil drawings that show inside dimensions, pipe connection locations, access and baffle locations, grades and elevations. (Note: This scope of services does not include structural plans and details for a vault. As we understand it, if a vault is selected, the pre-cast concrete supplier will prepare structural drawings for the concrete vault, stamped by a licensed engineer, which is to be submitted by the Contractor at time of construction.)

7.3.1 Stormwater Quality Calculations for H Street: Prepare calculations for the stormwater quality facilities. The calculations will be prepared using MGS Flood™ software, a continuous simulation model accepted by the WDOE Manual. The analysis will provide design flowrates and/or water quality volumes, depending upon the type of treatment facilities chosen. It is assumed that one stormwater quality facilities will be designed for H Street, and located in Lincoln Park.

7.3.2 Stormwater Quality Calculations for Boblett/Clark/Cedar Streets: Prepare calculations for the stormwater quality facilities. The calculations will be prepared using MGS Flood™ software, a continuous simulation model accepted by the WDOE Manual. The analysis will provide design flowrates and/or water quality volumes, depending upon the type of treatment facilities chosen. If infiltration is deemed feasible, provide calculations for the infiltration system. It is assumed that one stormwater quality facility will be designed for each of the three streets: Boblett, Clark, and Cedar Street.

7.3.3 Conveyance Calculations for H Street: Provide conveyance calculations for storm pipes and ditches within the road project limits. Conveyance analysis will be done using Rational Method and Manning equation. This scope does not include detailed backwater analysis, but it can be provided as an additional service, if deemed warranted.

7.3.4 Conveyance Calculations for Boblett/Clark/Cedar Streets: Provide conveyance calculations for storm pipes and ditches within the road project limits. Conveyance analysis will be done using Rational Method and Manning equation. This scope does not include detailed backwater analysis, but it can be provided as an additional service, if deemed warranted.

Deliverables:

- Summary of hydraulic design calculations for H Street.
- Summary of hydraulic design calculations for Boblett/Cedar/Clark Streets.

TASK 8.0 UTILITY COORDINATION

The CONSULTANT will coordinate with CITY and Franchise utilities within the project limits. The CONSULTANT will maintain a coordination checklist with all utilities contacted. The CONSULTANT will coordinate with the utilities all relocations or upgrades necessary as the result of the project. A total of up to three (3) meetings are anticipated with the Franchise Utilities.

Deliverables:

- Utility Coordination Checklist
- Meeting minutes from utility coordination meetings, submitted via email in MS Word format within three (3) working days of the meeting.

TASK 9.0 PLANS, SPECIFICATIONS & ESTIMATES

9.1 60% Design

The CONSULTANT will develop 60% PS&E plans using the design criteria established for the project, prepare preliminary quantities estimates and opinion of costs. The Consultant will submit three half-size plans for review by the CITY.

H Street Reconstruction, Ludwick Avenue to Vista Terrace plans shall show the construction of the proposed improvements. It is assumed that a roundabout will be considered only as a potential future configuration of the intersection of H Street and Ludwick Avenue. Elements of the plan set include:

- Cover Sheet (1 sheet)
- Legend & Abbreviation Sheet (1 sheet)
- Survey Control & Alignment Plan (1 sheet)
- Typical Sections (2 sheets)
- Site Prep/Grading & TESC Plans (5 sheets)
- Plan & Profile (5 sheets)
- Drainage Profiles (2 sheets)
- Driveway Profiles (2 sheets)
- Preliminary Stormwater Facility Layouts (2 sheets)
- Channelization and Illumination Plans (5 sheets)
- Wall Plans & Elevations (3 sheets)
- Landscaping Plans & Details (7 sheets)

Boblett/Clark/Cedar Street improvements plans shall show complete details for the construction of the proposed improvements. These details are the same as listed above except there are no Wall

Plans & Elevations anticipated. A total of nine (9) plan sheets are anticipated as necessary to cover each series of plans (i.e., plan and profile). A total of 47 plan sheets are anticipated.

Deliverables:

- Submit plan set in PDF format to city.
- Submit Opinion of Cost in PDF format.
- Copy of internal QA/QC 60% review with comments.

9.2 90% Design

The CONSULTANT will develop 90% PS&E plans using the sheets prepared for 60% Design. The CONSULTANT will revise the plans per the 60% review comments, update quantity estimates, prepare technical specification in accordance with WSDOT's current Standard Specifications and update opinion of costs. The Consultant will submit five half-size plans for review by the CITY.

Deliverables:

- Five half-size 90% plan sets for review
- Two copies of 90% Opinion of Cost
- Two copies of Contract Specifications
- Copy of internal QA/QC 90% review with comments.

9.1 Final PS&E

The CONSULTANT will incorporate final comments and prepare final PS&E using the sheets prepared for 90% Design. The CONSULTANT will update opinion of costs.

Deliverables:

- Final set of reproducible bid documents "camera ready" for printing by the City. Specifications supplied to CITY in both electronic and paper format (Microsoft Word compatible). Drawings to be in AutoCAD format. It is assumed that the plans used for the bid documents will be half-size (11"x 17").
- Five half-size Final plans for review.
- Two copies of Final Opinion of Cost.
- Copy of internal QA/QC Final review with comments.

ASSUMPTIONS

- Arborist services are not included in this scope of work.
- Landscape improvements shall be limited to street trees and mowed lawn in planting strips and minor restoration plantings to “meet and match” existing back of sidewalk conditions. Low-impact stormwater plantings, shrubs and groundcover may also be included in limited quantities.
- Irrigation design is not included in this scope of work.
- Design and construction of proposed sewer line on H Street to be completed by others.

ITEMS TO BE PREPARED AND/OR FURNISHED BY THE CONSULTANT:

1. See deliverables under each task

ITEMS TO BE FURNISHED BY THE CITY:

1. Copy of consolidated comments received from review of each contract documents submittal.
2. Meeting rooms for public meetings.
3. Assistance in obtaining rights-of-entry needed for geotechnical studies, surveying, wetland delineations, etc.
4. The CITY will be responsible for the printing, postage, and mailing of information to the community.
5. The CITY shall provide relevant digital maps available through the City’s GIS including but not limited to: 1) existing land use, 2) Comprehensive Land Use Map, 3) zoning map, 4) aerial photography, 4) underground and overhead utilities, and 5) other maps as applicable.
6. Title Reports for development of right-of-way and legal descriptions.
7. The CITY will provide traffic volumes and truck traffic counts data, geotechnical and geologic information and pavement information.

DESIGN CRITERIA:

The CITY will designate the basis premises and criteria for the design. Reports and plans, to the extent feasible, shall be developed in accordance with the latest edition and amendments of the following:

1. AASHTO 2001, “A Policy of Geometric Design of Highways and Streets”.
2. WSDOT, “Standard Specifications for Road and Bridge Construction”.
3. WSDOT, “Design Manual”.
4. WSDOT, “Materials Laboratory Outline”.
5. WSDOT, “Construction Manual”.
6. WSDOT, “Local Agency Guidelines”.
7. Highway Research Board’s Manual entitled “Highway Capacity”.
8. FHWA and WSDOT, “Manual on Uniform Traffic Control Devices for Streets and Highways”.
9. Standard drawings prepared by City of Blaine and furnished to the Consultant shall be used as a guide in all cases where they fit design conditions.
10. AASHTO “Guide for the Development of Bicycle Facilities”.
11. WSDOT Highway Runoff Manual (2006).
12. WSDOT Hydraulics Manual.
13. 2005 Department of Ecology Stormwater Management Manual for Western Washington.

Exhibit B.1 FEE SCHEDULE

Project: Residential Street Improvements – Boblett, Clark & Cedar Streets

Client: City of Blaine

<u>Classification</u>	<u>Hours</u>		<u>Rate</u>		<u>Cost</u>
Principal	109	x	\$165.00	=	\$17,902.50
Senior Eng/Mgr	180	x	\$150.00	=	\$27,000.00
Lead Engineer	262		\$130.00		\$34,060.00
Engr II	0		\$95.00		\$0.00
Technician III	181		\$95.00		\$17,195.00
Senior Eng/Mngr	159	x	\$150.00	=	\$23,850.00
Senior Eng/Mgr	52	x	\$150.00	=	\$7,800.00
Senior Plan/Mgr(Envir)	12	x	\$150.00	=	\$1,800.00
Engr II	469	x	\$95.00	=	\$44,555.00
Tech II (CADD)	443	x	\$80.00	=	\$35,440.00
Prin. Surveyor	4	x	\$165.00	=	\$660.00
Sr. PLS	19	x	\$105.00	=	\$1,995.00
PLS	25	x	\$105.00	=	\$2,625.00
Survey Crew (2)	98	x	\$160.00	=	\$15,680.00
\$60.00	62	x	\$60.00	=	\$3,720.00
	Total Hours	2075	TOTAL	=	\$234,283.00

REIMBURSABLES:

Reproduction	\$	300.00	
Mileage/pers. Vehicle @ \$.485/mile	\$	-	
Postage/Delivery	\$	500.00	
Aerial (DeGross)	\$	9,000.00	
Public Involvement Boards (20@ \$100 ea)	\$	2,000.00	
Per Diem	\$	-	
Misc		\$250.00	
Color Copying (\$0.80/page)		\$80.00	
Digital Level (\$50/day)		\$50.00	
Robotic Total Station (\$100/day)		\$650.00	
Mileage/Co. vehicle (\$0.485/mile)		\$1,570.00	
CADD @ \$10/hr		\$6,240.00	
Supplies		\$500.00	
GPS (RTK)		\$480.00	
			= \$21,620.00

SUBCONSULTANTS

HWA GeoSciences

\$23,902.00

Hough, Beck & Baird

\$34,920.00

\$58,822.00

GRAND TOTAL: = \$314,725.00

PREPARED BY:

P. De Boldt & M. Horton

DATE: 7/20/2007

Rates shown reflect the typical compensation rate of employees assigned to the billing category listed.

Each category may have multiple employees assigned to that billing category and each employee may have a different hourly rate of pay. Employee compensation is subject to adjustment in June of each calendar year.

Exhibit B.2 FEE SCHEDULE

Project: Arterial Street Improvements - H Street

Client: City of Blaine

<u>Classification</u>	<u>Hours</u>	<u>Rate</u>	<u>Cost</u>
Sr. Associate	93 x	\$165.00	= \$15,345.00
Senior Eng/Mgr	150 x	\$150.00	= \$22,500.00
Lead Engineer	112 x	\$130.00	= \$14,560.00
Engr II	0 x	\$95.00	= \$0.00
Technician III	113 x	\$95.00	= \$10,735.00
Senior Eng/Mngr	94 x	\$150.00	= \$14,100.00
Senior Eng/Mgr	30 x	\$150.00	= \$4,500.00
Planner II	56 x	\$90.00	= \$5,040.00
Engr II	380 x	\$95.00	= \$36,100.00
Tech II (CADD)	309 x	\$80.00	= \$24,720.00
Prin. Surveyor	3 x	\$165.00	= \$495.00
Sr. PLS	19 x	\$135.00	= \$2,565.00
PLS	25 x	\$105.00	= \$2,625.00
Survey Crew (2)	97 x	\$160.00	= \$15,520.00
Clerical	48 x	\$60.00	= \$2,880.00
Total Hours	1529	TOTAL	= \$171,685.00

REIMBURSABLES:

Reproduction	\$ 300.00
Mileage/pers. Vehicle @ \$.485/mile	\$ -
Postage/Delivery	\$ 500.00
Aerial (DeGross)	\$ 9,000.00
Public Involvement Boards (12@ \$100 ea)	\$ 1,200.00
Per Diem	\$ -
Misc	\$ 250.00
Color Copying (\$0.80/page)	\$ 40.00
Digital Level (\$50/day)	\$ 50.00
Robotic Total Station (\$100/day)	\$ 650.00
Mileage/Co. vehicle (\$0.485/mile)	\$ 1,220.00
CADD @ \$10/hr	\$ 4,220.00
Supplies	\$ -
GPS (RTK)	\$ 480.00
	= \$17,910.00

SUBCONSULTANTS

HWA GeoSciences	\$25,833.00	
Hough, Beck & Baird	\$25,232.00	\$51,065.00

GRAND TOTAL: = \$240,660.00

PREPARED BY: P. De Boldt & M. Horton

DATE: 8/22/2007

Rates shown reflect the typical compensation rate of employees assigned to the billing category listed.
Each category may have multiple employees assigned to that billing category and each employee may have a different hourly rate of pay. Employee compensation is subject to adjustment in June of each calendar year.

Exhibit B.3 FEE SCHEDULE

Project: Residential Street Improvements - Preliminary Estimates for Phase II Streets

Client: City of Blaine

<u>Classification</u>	<u>Hours</u>	<u>Rate</u>		<u>Cost</u>
Principal	12 x	\$165.00	=	\$1,980.00
Senior Eng/Mgr	40 x	\$150.00	=	\$6,000.00
Lead Engineer	0	\$130.00		\$0.00
Engr II	0	\$95.00		\$0.00
Technician III	0	\$95.00		\$0.00
Senior Eng/Mgr	0 x	\$150.00	=	\$0.00
Senior Eng/Mgr	0 x	\$150.00	=	\$0.00
Senior Plan/Mgr(Envir)	0 x	\$150.00	=	\$0.00
Engr II	47 x	\$95.00	=	\$4,465.00
Tech II (CADD)	0 x	\$80.00	=	\$0.00
Prin. Surveyor	1 x	\$165.00	=	\$165.00
Sr. PLS	2 x	\$105.00	=	\$210.00
PLS	2 x	\$105.00	=	\$210.00
Survey Crew (2)	29 x	\$160.00	=	\$4,640.00
Clerical	9 x	\$60.00	=	\$540.00
Total Hours	142	TOTAL	=	\$18,210.00

REIMBURSABLES:

Aerial (DeGross)	\$	1,000.00	
Mileage/Co. vehicle (\$0.485/mile)	\$	610.00	
GPS (RTK)	\$	240.00	
			= \$1,850.00

GRAND TOTAL:	=	\$20,060.00
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PREPARED BY:

P. De Boldt & M. Horton

DATE: 7/15/2007

Rates shown reflect the typical compensation rate of employees assigned to the billing category listed.
Each category may have multiple employees assigned to that billing category and each employee may have a different hourly rate of pay. Employee compensation is subject to adjustment in June of each calendar year.