

REQUEST FOR COUNCIL ACTION

SUBJECT: Environmental Clearance of 2 Intersections and 1 Roadway

SUMMARY: Approve an agreement with Stanley Consultants, Inc. to complete environmental clearance for road widening and reconstruction at two intersections and one roadway, in an amount not to exceed \$36,160.00.

FISCAL

IMPACT: The funds for this project are available in the Road Capital Account.

STAFF RECOMMENDATION:

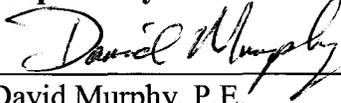
Staff recommends approval of an agreement with Stanley Consultants, Inc. to complete environmental clearance for road widening and reconstruction at two intersections and one roadway, in an amount not to exceed \$36,160.00.

MOTION RECOMMENDED:

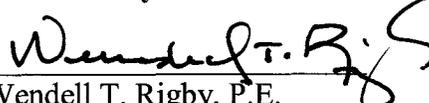
"I move to adopt Resolution No. 15-215 authorizing the Mayor to execute an agreement with Stanley Consultants, Inc. to complete environmental clearance for road widening and reconstruction at two intersections and one roadway, in an amount not to exceed \$36,160.00.

Roll Call vote required

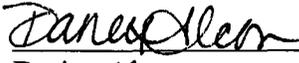
Prepared by:


David Murphy, P.E.
Capital Projects Manager

Reviewed by:


Wendell T. Rigby, P.E.
Director of Public Works

Reviewed as to Legal Sufficiency:


Darien Alcorn
Acting City Attorney

Recommended by:


Mark R. Palesh
City Manager

BACKGROUND DISCUSSION:

The City is working on three Federal Aid projects located as follows:

1. 5600 West from 8600 South to 7800 South
2. The intersection of 1300 West and 7800 South
3. The intersection of 4000 West and 9000 South

In order to spend the Federal grant funds, environmental clearances are required. The City is responsible to pay for this environmental clearance work under Federal Aid rules; staff has developed the scope of work to meet the environmental clearance regulations. The work requires hazardous waste studies, noise studies, archeological reports, historical structures reports, wildlife reports, and other items to meet Federal guidelines to use the grant monies available to the project.

The City distributed the request for proposal to 4 firms qualified on the City's Statement of Qualification list. Two firms submitted proposal and were evaluated on project team, experience, project understanding, schedule, scope to deliver the project, cost, and other factors. Of the two firms, Stanley Consultants, Inc., is the highest qualifying firm. Staff recommends Stanley Consultants, Inc. to perform the environmental clearances.

Attachments:

- Resolution
- Agreement
- Evaluation Form

THE CITY OF WEST JORDAN, UTAH
A Municipal Corporation

RESOLUTION NO. 15-215

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE AN AGREEMENT WITH STANLEY CONSULTANTS INC. FOR ENVIRONMENTAL CLEARANCE

WHEREAS, the City Council of the City of West Jordan has reviewed the Professional Services Agreement between the City of West Jordan and Stanley Consultants, Inc. (a copy of which is attached) to provide environmental clearance for road widening and reconstruction at the intersections of 1300 West 7800 South and 4000 West 9000 South; and 5600 West from 7800 South to 8600 South an amount not to exceed \$36,160.00; and

WHEREAS, the City Council of the City of West Jordan desires to approve a Professional Services Agreement between the City of West Jordan and Stanley Consultants, Inc. (a copy of which is attached) to provide environmental clearance for three City projects, in an amount not to exceed \$36,160.00.

NOW, THEREFORE, IT IS RESOLVED BY THE CITY COUNCIL OF WEST JORDAN, UTAH, THAT:

Section 1. After approval as to legal form, the Mayor is hereby authorized and directed to approve a Professional Services Agreement between the City of West Jordan and Stanley Consultants, Inc. to provide environmental clearance for three City projects, in an amount not to exceed \$36,160.00.

Section 2. This Resolution shall take effect immediately upon passage.

Adopted by the City Council of West Jordan, Utah this 2nd day of December 2015.

Kim V. Rolfe
Mayor

ATTEST:

MELANIE S. BRIGGS
City Recorder

Voting by the City Council	"AYE"	"NAY"
Jeff Haaga	_____	_____
Judy Hansen	_____	_____
Chris McConnehey	_____	_____
Chad Nichols	_____	_____
Sophie Rice	_____	_____
Ben Southworth	_____	_____
Mayor Kim V. Rolfe	_____	_____



AGREEMENT FOR PROFESSIONAL SERVICES

City of West Jordan

Environmental Clearance
1300 West 7800 South Intersection
9000 South 4000 West Intersection
5600 West from 7800 South to 8600 South

THIS AGREEMENT, made this 2nd day of December 2015 between the City of West Jordan, a municipal corporation (hereinafter referred to as "City"), and Stanley Consultants, Inc., Inc., (hereinafter referred to as "Consultant").

WHEREAS, the City desires to obtain consulting services from Consultant, and Consultant desires to provide these services to City. City and Consultant, therefore, agree as follows:

1. **RETENTION AS CONSULTANT.** City hereby retains Consultant, and Consultant hereby accepts such engagement, to perform the services described in Paragraph 2 herein. Consultant warrants it has the qualifications, experience and facilities to properly perform these services.
2. **DESCRIPTION OF SERVICES.** The services to be performed by Consultant shall be as follows:

(1) See attached Stanley Consultants, Inc., Inc. submitted Proposal. (Exhibit A)

The above services shall be performed in accordance with the Consultant's Proposal dated November 5, 2015 which are incorporated herein by this reference. The Proposal is more fully set forth in Exhibit A which is attached to this Agreement.

3. **COMPENSATION AND PAYMENT.** Except for authorized extra services (pursuant to Paragraph 4), if any, the total compensation payable to Consultant by City for the services described in Paragraph 2 shall not exceed the sum of \$36,160.00.

All payments shall be made within thirty (30) calendar days after the Consultant has provided the City with written verification of the actual compensation earned, which written verification shall be in a form satisfactory to the City. Invoices shall be made no more frequently than on a monthly basis, and shall describe work performed.

4. **EXTRA SERVICES.** City shall pay Consultant for extra services which are authorized in writing in addition to the services described in Paragraph 2, in such amounts as mutually agreed to in advance. Unless the City and Consultant have agreed in writing before the performance of extra services, no liability and no right to claim compensation for such extra services or expenses shall exist.

5. **SERVICES BY THE CITY.** The City shall perform the following services:

- (1) Provide to Consultant copies of available information related to the project and project site
- (2) Promptly review Consultants work and provide Consultant with comments, if any, in a timely manner.

6. **PROGRESS AND COMPLETION.** Consultant shall commence work on the services to be performed upon receiving an executed copy of this Agreement from the City. Consultant shall complete the work by February 1, 2016.

7. **OWNERSHIP OF DOCUMENTS.** All drawings, designs, data, photographs, reports and other documentation, including duplication of same prepared by Consultant in the performance of these services, shall become the property of City upon termination of the consulting services pursuant to this agreement and upon payment in full of all compensation then due Consultant. The City agrees to hold the Consultant harmless from all damages, claims, expenses and losses arising out of any reuse of the plans and specifications for purposes other than those described in this Agreement, unless written authorization of the Consultant is first obtained.

8. **PERSONAL SERVICES; NO ASSIGNMENT; SUBCONTRACTOR.** This Agreement is for professional services, which are personal services to the City. The following persons are deemed to be key member(s) of or employee(s) of the Consultant's firm, and shall be directly involved in performing or assisting in the performance of this work:

Rick Black, Project Manager & Agency Coordination
Angela Phipps, Air and Noise
Sheri Ellis,
Tod Ligon,
Natalie Wagstaff
Jennifer Morris

Should these individuals be removed from assisting in this contracted work for any reason, the City shall have the right to approve the replacement individuals assigned to the project or may terminate this Agreement.

This Agreement is not assignable by Consultant, without the City's prior consent in writing.

9. **HOLD HARMLESS AND INSURANCE.**

A. Indemnity.

Consultant shall indemnify and hold the City, its elected officials, officers and employees, harmless from all claims, lawsuits, demands, judgments or liability including reasonable attorney's fees, but not limited to, general liability, automobile and professional errors and omissions liability, arising out of, directly or indirectly, the negligent acts, errors and omissions of the Consultant in performing the services described.

B. Insurance.

Consultant shall, at Consultant's sole cost and expense and throughout the term of this Agreement and any extensions thereof, carry:

(1) workers compensation insurance adequate to protect Consultant from claims under workers compensation acts;

(2) professional errors and omissions insurance in the amount not less than \$1,000,000; and

(3) general personal injury and property damage liability insurance and automobile liability

insurance with liability limits of not less than \$1,000,000 for each claimant and \$1,000,000 for each occurrence related to the injury or death of a person or persons and for property damage. The City, its officers and employees, shall be named as an additional insured.

All insurance policies shall be issued by a financially responsible company or companies authorized to do business in the State of Utah which are carry a Moody's rating of not less than B+. Consultant shall provide City with copies of certificates (on the City certificate form) for all policies reflecting the coverage, with an endorsement that they are not subject to cancellation without thirty (30) calendar days prior written notice to City.

10. **RELATIONSHIP OF THE PARTIES.** The relationship of the parties to this Agreement shall be that of independent contractor(s). In no event shall Consultant be considered an officer, agent, servant or employee of City. The Consultant shall be solely responsible for any worker's compensation, withholding taxes, unemployment insurance and any other employer obligations associated with the described work.

11. **STANDARD OF CARE.** Consultant services shall be performed in accordance with the skill and care ordinarily exercised by members of the same profession performing the same or similar services at the time Consultant's services are performed. Consultant shall, at Consultant's sole expense reperform any services not meeting this standard.

12. **CORRECTIONS.** In addition to the above indemnification obligations, the Consultant shall correct, at its expense, all errors in the work which may be disclosed during the City's review of the Consultant's report or plans. Should Consultant fail to make such correction in a reasonably timely manner, such correction shall be made by the City, and the cost thereof shall be charged to and paid by Consultant. "Errors in the work" as referred to above does not include and shall be in addition to, "redlines" or other standard corrections which are provided to Consultant by City.

13. **TERMINATION BY CITY.** Unless otherwise stated in the Special Terms and Conditions, this contract may be terminated, with cause by either party, in advance of the specified termination date, upon written notice being given by the other party. The party in violation will be given ten (10) working days after notification to correct and cease the violations, after which the contract may be terminated for cause. This contract may be terminated without cause, in advance of the specified expiration date, by either party, upon 30 days prior written notice being given the other party. On termination of this contract, all accounts and payments will be processed according to the financial arrangements set forth herein for approved services rendered to date of termination.

14. **ACCEPTANCE OF FINAL PAYMENT CONSTITUTES RELEASE.** The acceptance by Consultant of the final payment made under this Agreement shall operate as and be a release to City from all claims and liabilities for compensation to, or claimed by, Consultant for anything done, finished or relating to the Consultant's work or services. Acceptance of payment shall be any negotiation of the City's check.

However, approval or payment by the City shall not constitute nor be deemed a release of the responsibility and liability of Consultant, its employees, subcontractors, agents and consultants for the accuracy and/or competency of the information provided and/or work performed; nor shall such approval or payment be deemed to be an assumption of such responsibility or liability by the City for any defect or error in the work prepared by Consultant, its employees, subcontractors, agents or consultants.

15. **WAIVER; REMEDIES CUMULATIVE.** Failure by a party to insist upon the strict performance of any of the provisions of this Agreement by the other party, irrespective of the length of time for which such failure continues, shall not constitute a waiver of such party's right to demand strict compliance by

such other party in the future. No waiver by a party of a default or breach of the other party shall be effective or binding upon such party unless made in writing by such party and no such waiver shall be implied from any omission by a party to take any action with respect to such default or breach. No express written waiver of a specified default or breach shall affect any other default or breach, or cover any other period of time, other than any default or breach and/or period of time specified. All of the remedies permitted or available to a party under this Agreement, or at law or in equity, shall be cumulative and alternative, and invocation of any such right or remedy shall not constitute a waiver or election of remedies with respect to any other permitted or available right or remedy.

16. **CONSTRUCTION OF LANGUAGE OF AGREEMENT.** The provisions of this Agreement shall be construed as a whole according to its common meaning and purpose of providing a public benefit and not strictly for or against any party. It shall be construed consistent with the provisions hereof, in order to achieve the objectives and purposes of the parties. Wherever required by the context, the singular shall include the plural and vice versa, and the masculine gender shall include the feminine or neutral genders or vice versa.

17. **MITIGATION OF DAMAGES.** In all situations arising out of this Agreement, the parties shall attempt to avoid and minimize the damages resulting from the conduct of the other party.

18. **RECORDS ADMINISTRATION.** The Consultant shall maintain, or supervise the maintenance of all records necessary to properly account for the payments made to the Consultant for costs authorized by this contract. These records shall be retained by the Consultant for at least four years after the contract terminates, or until all audits initiated within the four years, have been completed, whichever is later.

19. **GOVERNING LAW.** This Agreement, and the rights and obligations of the parties, shall be governed and interpreted in accordance with the laws of the State of Utah.

20. **CAPTIONS.** The captions or headings in the Agreement are for convenience only and in no other way define, limit or describe the scope or intent of any provision or section of the Agreement.

21. **AUTHORIZATION.** Each party has expressly authorized the execution of this Agreement on its behalf and bind said party and its respective administrators, officers, directors, shareholders, divisions, subsidiaries, agents, employees, successors, assigns, principals, partners, joint ventures, insurance carriers and any others who may claim through it to this Agreement.

22. **REPRESENTATION REGARDING ETHICAL STANDARDS FOR CITY OFFICERS AND EMPLOYEES AND FORMER CITY OFFICERS AND EMPLOYEES.** The Consultant represents that it has not: (a) provided an illegal gift or payoff to a city officer or employee or former city officer or employee, or his or her relative or business entity; (b) retained any person to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, other than as exempted in the City's Conflict of Interest ordinance; or (c) knowingly influenced (and hereby promises that it will not knowingly influence) a city officer or employee or former city officer or employee to breach any of the ethical standards set forth in the City's Conflict of Interest ordinance, Title 2, Chapter 4 of the City of West Jordan Municipal Code.

23. **EQUAL OPPORTUNITY CLAUSE.** The Consultant agrees to abide by the provisions of Title VI and VII of the Civil Rights Act of 1964 (42USC 2000e) which prohibits discrimination against any employee or applicant for employment or any applicant or recipient of services, on the basis of race, religion, color, or national origin; and further agrees to abide by Executive Order No. 11246, as amended,

which prohibits discrimination on the basis of sex; 45 CFR 90 which prohibits discrimination on the basis of age; and Section 504 of the Rehabilitation Act of 1973, or the Americans with Disabilities Act of 1990 which prohibits discrimination on the basis of disabilities. Also, the Consultant agrees to abide by Utah's Executive Order, dated June 30, 1989, which prohibits sexual harassment in the work place.

24. **ENTIRE AGREEMENT BETWEEN PARTIES.** Except for Consultant's proposals and submitted representations for obtaining this Agreement, this Agreement supersedes any other agreements, either oral or in writing, between the parties hereto with respect to the rendering of services, and contains all of the covenants and agreements between the parties with respect to said services. Any modifications of this Agreement will be effective only if it is in writing and signed by the party to be charged.

25. **PARTIAL INVALIDITY.** If any provision in this Agreement is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions will nevertheless continue in full force without being impaired or invalidated in any way.

26. **NOTICES.** Any notice required to be given hereunder shall be deemed to have been given by depositing said notice in this United States mail, postage prepaid, or by facsimile with proof of transmission, and addressed as follows:

TO CITY: CITY OF WEST JORDAN
David Murphy, P.E.
8000 South Redwood Road
West Jordan, Utah 84088
Facsimile No.: (801) 569-5127

With a copy to the City Attorney
City Attorney
8000 South Redwood Road
West Jordan, Utah 84088
Facsimile No.: (801) 569-5149

TO CONSULTANT: Rick Black
Stanley Consultants, Inc., Inc.
383 W. Vine Street, Suite 400
Murray, UT 84123
P: 801-293-8880

EXECUTION OF AGREEMENT

In concurrence and witness whereof, this Agreement has been executed by the parties effective on the date and year first above written.

CITY OF WEST JORDAN

ATTEST:

Kim V. Rolfe
Mayor

Melanie Briggs, MMC
City Recorder

APPROVED AS TO LEGAL FORM



Acting City Attorney

EXHIBIT A
(Consultant Proposal)

November 5, 2015

Mr. David M. Murphy, P.E.
Engineering Manager for Capital Improvements Projects
8000 S. Redwood Rd.
West Jordan, UT 84088

Subject: Proposal for Environmental Clearance for 3 projects

Dear Dave,

We understand you and your staff have a lot going on. With that in mind Stanley Consultant's offers you an Environmental Manager in Rick Black, who has a track record of meeting environmental project schedules and budgets. In a two-year period, Rick managed a team that successfully expedited 6 Categorical Exclusion (CE) level documents in Utah. Under his supervision, superfluous analysis was eliminated and the focus was placed on the critical elements of projects. The result was that project costs were reduced, and projects were completed faster than the standard schedule. On one of the Safe Routes to School projects, this approach resulted in the delivery of the CE in just 2 months and 30% under budget.

We recognize that West Jordan has a working relationship with UDOT, and as there is future federal funding for design and construction of the proposed project, part of the City's stewardship is to meet NEPA and FHWA requirements. Stanley Consultants will assist the City in meeting these requirements by:

- Utilizing UDOT's processes for conducting the documentation of the environmental process – We will coordinate this through the UDOT system and use the UDOT forms for developing the CE. Using the system to prepare the document expedites reviews and approvals and provides for a cost effective way to create the required documents.
- Working in close harmony with the City and the UDOT environmental managers - Our team has excellent working relationships with UDOT personnel. We leverage our existing relationships and knowledge of UDOT's procedures to meet your schedule and focus the project scope on obtaining your project goals.

We have identified the following critical elements for success in our project specific approach:

Streamlined Delivery. Streamlined delivery is accomplished through two processes: Firstly, we will manage all three of your proposed projects as one project in-house. This provides one point of contact and one set of personnel on the project. Secondly, early and constant collaboration with resource agencies and stakeholders. Early coordination with agencies (such as US Army Corps of Engineers (USACE), US Fish and Wildlife Service (USFWS), UDOT, West Jordan Cemetery, and utility companies, as well as any other stakeholders identified early in the process) is critical to timely delivery.

Quality Control. Intimate knowledge of the NEPA process, the wetland permitting process, the Endangered Species Act (ESA), the FHWA's 4(f) Policy, the State Historic Preservation Office (SHPO)'s processes, as well as UDOT's processes combined with our quality procedures, make document preparation and delivery an efficient process.

Expedited Schedule. Our streamlined delivery approach accomplishes an end of February completion of the CE so that you can start final design by latespring. Assuming the Notice to Proceed (NTP) is provided by November 16th, this allows one full week before Thanksgiving. Additionally, there are only 3 weeks in December that we can count on agency personnel being available for coordination. A mid-February draft document to you would allow for the City's comments to be made and incorporated into the CE before the end of February. Our early coordination with the resource agencies assures that the project can move forward without obstructing the schedule. If any permits are necessary, we can work with you to obtain them before final design begins without impacting the CE or design schedule.

Cost Efficiency. Our approach includes several unique features to control both our costs and your internal costs. These features include:

- Using only a select group of highly experienced personnel to provide a premium product with minimal expense.
- Providing high-quality documents to enable reviewers to focus on concepts and content rather than editing. As a result, we expedite the review process and reduce your labor costs associated with document review.
- Leveraging existing agency relationships to handle issues through phone calls instead of meetings. This keeps meeting and travel costs to the bare minimum.
- Our local office location on the west side of the mid-valley reduces travel time associated with field visits.

In summary, this project is a really good fit for Stanley Consultants and our Salt Lake office. Our local environmental team has a breadth and depth of experience working with local governments, agencies and departments of transportation throughout the western United States (Utah, Colorado, North Dakota, and Arizona), and the FHWA in documenting the environmental process under the National Environmental Policy Act (NEPA), including preparation of CEs. In order to best serve the needs of the City of West Jordan we present a Scope of Work to be performed in 11 working weeks following the NTP. Stanley is happy to begin work following receipt of an NTP, even before the City Council may have time to meet and approve the contract. We look forward to working with you to meet the future infrastructure needs of the residents of West Jordan.

Please contact Rick Black or Mark Freeman from the information below. Our address is 383 West Vine Street, #400, Murray, UT 84123.

Respectfully,



Rick Black, Project Manager
BlackRick@stanleygroup.com
801.269.3859 (office)/801.243.8180 (cell)



Mark Freeman, PE, Vice President
freemanmark@stanleygroup.com
801.269.3867(offical)/801.824.1260(cell)

ENVIRONMENTAL CLEARANCES
 1300 W/7800 S; 9000 S/4000W; and 5600 W/ 7800 S to 8600 S
 Conforming to Jurisdictional Standards

Project Team and Firm Qualifications

Project Team

In the last 19 years, Stanley Consultant's has built a local team specializing in transportation projects with environmental capabilities. **Our local team has completed 55 Categorical Exclusion (CE) documents over the last 5 years on transportation projects for cities, counties, and the Utah Department of transportation.** We will provide the City with a comprehensive team with a significant depth of resources which includes 60 employees performing work from our local fully-equipped Murray office.

Our team has completed over 740 projects in Utah alone. Many of these projects have been complex infrastructure and transportation projects requiring coordination with the Utah Department of Transportation, major utilities, third party stakeholders, various engineering design disciplines, and the public.

We have completed many projects involving intersection upgrades and improvements, roadway widenings, pedestrian bridges and tunnels, box culverts, and utility betterments and relocations. We have coordinated with and worked for the following stakeholders and clients: UDOT, Sandy City, Park City, Murray City, Salt Lake County, Salt Lake City, South Jordan City, Bluffdale, Draper, Orem, Morgan, Weber County, as well as West Jordan, and many others.

Qualifications of the Firm

Stanley Consultants provides exemplary service at the local and global level. All team members and engineering services for this project will be provided from our local office.

Local Address:

Stanley Consultants, Inc.
 383 West Vine Street, Suite 400
 Murray, Utah 84123

Primary Contact:

Rick Black, Project Manager
 801.269.3859 (O) / 801.243.8180 (Cell)
 BlackRick@stanleygroup.com

Established:

1913 (Muscatine IA) / 1996 (Murray UT)

Employees:

1036 - company-wide/ 60 - Utah (2015)
 57 - Utah (5-year average)

The City of West Jordan

Stakeholders

Project Manager
 Rick Black

Key Individual Qualifications & Staffing Plan <small>Required</small>				
Name	Role	% Avail.	Licenses Certs/Edu	Yrs Exp
Environmental Team (404 Permit/Cultural/UPDES)				
R Black	Proj. Manager Agency Coordinator, Ecologist, and Environmental Planner	40	MS	25
A Phipps	Air and Noise	10	BS	22
S Ellis	Archaeological and Architectural, Cultural Resources	40	MS	23
T Ligon	QC/QA	10	BA	29
N Wagstaff	Public Involvement Coordinator	10	HS	2
J Morris	Technical Editor	20	BA	7
Design Team (Preliminary Design), if needed.				
V Hanson	Transportation Lead	25	PE/BSCE	29
G Thomas	Utility Coordinator	30	PE/BSCE	17
T Hanson	Roadway Engineer	75	PE/BSCE	18
D Osborn	Drainage Engineer	50	PE/BSCE	15
D Jovanovic	Traffic Engineer	20	PE/PTOE/MSCE	7
P Blackham	Structures Engineer	31	SE/MEM	31
A Lott	Box Culverts Design	25	PE/MESE	9
J Upright	Project/Civil Engineer	40	PE/BSCE	11
C Dunkel	CAD Designer	25	EIT	2
A Fenton	CAD Designer	50	EIT/BSCE	2
Survey and ROW, if needed.				
C Yates	Surveyor	10	PLS/BSSE	31
R Baker	ROW Surveyor	65	PLS/AAS	36
R Herbst	Party Chief	30	BSPS	12
GIS Analysis, if needed.				
A Salah	GIS Analyst	25	PE, GISP/PhD	20

Key Personnel and Availability

Stanley Consultants' multi-disciplinary design team has the availability, manpower, and expertise to complete the environmental documents with clearances, and any preliminary design that may be required (30%) for the three proposed projects. We have the ability to provide the City of West Jordan with the following in-house services for this project: environmental assessment and evaluation, project management, and if needed any necessary preliminary design, traffic engineering, field survey, utility locating, survey/ROW, permitting, public information, risk evaluation, GIS analysis and support, and cost estimate support.

Available In-house Resources

Our team is fully available and prepared to provide a focused effort on these three environmental documents for each location and will provide exceptional service without compromising quality. *For percentage of availability, on an individual basis, please see our organizational chart on page 1.*

Our environmental team recently completed several assignments and is available for this effort, making this work our number one priority.

Locally, we have 36 professionals in our transportation environmental planning and engineering services group that are available to begin work upon notice to proceed (NTP). Should the need arise, we have ample resources with the technical skills to execute this contract and meet or exceed the City's project goals.

1 NEPA Environmental Lead
1 Ecologist/Planner
1 Technical Editor
2 Environmental Technical Advisors
2 Public Information Coordinators
2 Geographic Information Systems Analysts
2 Surveyors
7 Transportation Engineers
2 Traffic Engineers
3 Structural Engineers
2 Engineers in Training
2 CADD
1 Project Coordinators/Admin. Assistants
2 Utility Engineers
5 Cost Estimators
1 ROW/Field Services Tech.

24 Environmental Specialists
40 Environmental Engineers
118 Transportation Engineers
74 Structural Engineers
9 Transportation/Environmental Planners

Key Personnel



Rick Black, Project Manager and Agency Coordination

Rick will manage and lead our team in completing the environmental clearance for all three projects, on schedule and within budget. He has over 25 years of experience managing or leading environmental tasks on over 25 NEPA projects, including CE, Environmental Assessments (EA), and Environmental Impact Statements (EIS). Rick has served transportation industry clients as a project manager, technical consultant, lead investigator, and planning lead.

Rick's project experience includes: several intersection improvement and safe routes to school projects in Washington County, West Jordan's 7000 South preliminary utility design project where he provided wetland and natural resources work. Additionally, Rick has led several projects as the environmental manager including Mountain View Corridor EIS; SR-201 5600 West to the Jordan River EA; SR-193 2000 West to State Street, State Environmental Study; and the SR-30, 1400 West to 300 East, State Environmental Study.

Senior Ecologist/Environmental Planner

Rick's strong biological and technical experience is founded in wildlife and ecology focusing on desert and wetland habitats. As such, Rick has extensive experience with the US Army Corps of Engineers (USACOE) on permitting projects under Section 404 of the Clean Water Act (CWA) and Section 7 of the Endangered Species Act (ESA), working with issues pertaining to threatened and endangered species (TES). He has worked on environmental permitting for a vast diversity of clients from those in transportation and local government to oil & gas, mining, and private parties. Rick will manage all aspects of the natural resources, from field work through consultation and impact analysis, and mitigation.



Angela Phipps, Air and Noise

Angela will be responsible for any air and noise modeling. She has 22 years of professional experience as an environmental scientist supporting transportation engineering teams through the NEPA process. She will manage the noise and air quality analyses associated with the proposed projects. Stanley will monitor and evaluate noise impacts and provide mitigation measures according to NEPA and UDOT standards. She will conduct the impact analyses and assist with emissions studies, environmental compliance reviews, and reporting. As a resource specialist in air quality, water resources, socioeconomic, environmental justice, and land use, she will coordinate with lead agencies to schedule and prepare necessary documents.



Sheri Ellis, Archaeological, Architectural, and Cultural Resources

Sheri, with Certus Environmental Solutions, is a specialty subconsultant to Stanley for cultural resources services. Sheri will provide the archaeological and architectural history survey, documentation, as well as Section 106 and Section 4(f) assistance. Sherri has completed cultural resource services on more than 100 projects in Utah.



Todd Ligon, Environmental QC/QA

Todd will provide an independent quality check and review of the three documents for accuracy and completeness. Todd has over 27 years of experience in environmental programming, project management, environmental impact studies, interagency coordination, permit acquisition, public participation, transportation project planning, and land planning. Todd has worked on numerous projects under the umbrella of NEPA since 1991.



**Natalie Wagstaff
Public Involvement (PI)**

Natalie has 2 years of experience providing public involvement on engineering and construction projects for local governments. She will provide the City and project team public outreach support consisting of PI materials, website updates, hot line support, and distribution of information. She provides our team with personable PI support and is an effective communicator and listener.



Jennifer Morris, Technical Editor

Jennifer will assist Rick with the environmental document and be responsible for version control, grammatical and technical editing, production, and completeness. Jennifer has Bachelors degree in English and 7 years of technical writing and review. Her recent experience includes the Taylorsville-Murray Bus Rapid Transit Environmental Study Report; One-way Couplet Feasibility Study; SR-30 Concept Study; and Mill Creek Culvert Study.

**Engineering Support Staff
(If Needed)**

We offer a greater team to meet needs that may come up. These key team members are below:



**Vance Hanson, PE
Roadway/Intersection Design Lead**

Vance will provide roadway or intersection design if it becomes necessary on the three project locations. Vance has 29 years of experience specializing in transportation design, managing of urban transportation roadway projects, and preparing of environmental documents.



Trent Hanson, PE, Roadway Design

If actual roadway or intersection preliminary design becomes necessary, Trent will be re-

sponsible for roadway design. Trent's entire career has focused on roadway engineering and design on UDOT and local government federal aid (LGFA) projects. In the last year, Trent has led the engineering on projects with similar challenges and features as the two intersections and 5600 West. Trent's project experience includes Sandy City's award winning project 9000 South and 700 West, Sandy's 1300 East and Buttercup Pedestrian Bridge, and Intersection Widening and Improvements at 9800 South and Wasatch Blvd for UDOT R2.



David Osborn, PE, Drainage Design

David will provide design for drainage or culvert crossings, if necessary on the three project locations. David has 16 years of engineering experience and is well versed in drainage design for roadway reconstruction and widening projects. His drainage and irrigation design experience includes the City's 7000 South Preliminary Utility Design, 900 East from 900 South to 2100 West, 12300 South from 700 East to Jordan River, Redwood Road 2320 South to 3100 South, and Park City's Empire Avenue and Deer Valley Drive.



Greg Thomas, PE, Utility Coordinator

If needed on any of the three projects, Greg will be responsible for utility coordination. He has 16 years of experience with utility engineering and permitting. Greg's project experience includes the 7000 South Preliminary Utility Design; SR-68, Redwood Road to Bangerter Highway; and 3500 South and I-215. Greg is intimately familiar with UDOT's utility agreements, municipal processes, and earned UDOT's Utility Coordination Certification.



Craig Yates, PLS, Survey Lead

If required, Craig will lead our surveying services. Craig has 31 years of experience in land surveying, mapping, and ROW engineering. He manages our surveying and ROW team for transportation and transit projects throughout the state. Craig oversees the research and obtaining all ownership and existing ROW (ROW) documents affected by project limits.



Rob Baker, PLS, ROW Lead

If any ROW work is needed, Rob Baker brings a wealth of experience in boundary surveying and developing base maps for acquiring ROW that includes extensive title research of property ownerships, historical records (deeds, easements, ROW, etc.), and boundary retracement based upon interpretation of deed elements. His work includes Redwood Road Bangerter to Saratoga Springs encompassing over 250 parcels and 9000 South at 700 West intersection.



**Paul Blackham, SE
Pedestrian Bridge Design**

Paul has provided structural engineering and design for 32 years on transportation projects on bridges, pedestrian bridges, tunnels, flood

control facilities, retaining walls, and box culverts. Paul currently is working on Sandy City's Buttercup Pedestrian Bridge and Salt Lake City's Jordan River Pedestrian Bridge, from 200 South over the rail yard, to North Temple.



Amber Lott, PE, Box Culvert Design

Amber will be responsible for any design related to the culvert crossing on 5600 West if needed. Amber has 9 years of structural design experience including bridges, retaining walls, and numerous box culvert structures.

Resumes for key individuals are provided in the appendix.

Scope of Work, Methodologies, and Summary of Deliverables

Demonstrated Understanding. Stanley Consultants environmental team will prepare the NEPA documentation for West Jordan City's three projects, which are all anticipated to be Categorical Exclusions (CEs). Further, we understand that the City will use UDOT's CE form, and will ask UDOT to review and concur with the level of NEPA documentation for the project. It is therefore anticipated that this project will be covered under the July 1, 2008 Memorandum of Understanding (MOU) between UDOT and Federal Highway Administration (FHWA). This will streamline the process, allowing UDOT to approve the CE, and avoiding FHWA reviews and approvals. In a further effort to streamline the process and improve efficiencies the following assumptions have been made:

1. No formal kickoff meeting will take place.
2. The project will require three CEs, each of which is covered under the federal MOU between FHWA and UDOT and will require UDOT approval.
3. Noise modeling will be necessary on both intersections and along 5600 West. No enhanced modeling is required.
4. No Public Involvement Plan will be necessary.
5. Opportunity for a public hearing would include advertisement in up to two newspapers (local and statewide).
6. Consultation with US Fish and Wildlife Service (USFWS) will be minimal, only one meeting anticipated.
7. Consultation with Utah Department of Wildlife Resources (UDWR) will be minimal, only one meeting anticipated.
8. No Biological Assessment will be required; coordination with the UDOT wildlife biologist will be sufficient.
9. Consultation with the USACE will be limited to understanding the level of permitting that may be needed.
10. A wetland delineation will be conducted but limited to one-half acres where wetlands may be impacted by the project.
11. No Section 404 permit application will be completed under this scope.
12. Only one round of edits will be required by the City and

UDOT.

13. The City will provide all design and design files adequate for CE documentation.
14. Minimal noise or air quality modeling will be necessary.
15. No water quality analysis will be required.
16. ROW purchase will not be significant.
17. ROW may include small parcels at each intersection, along 5600 West and an easement may be required for a possible ped bridge. No property clearances required.
18. The West Jordan Cemetery on 7800 s and 1300 w will not require FHWA a *de minimus* 4(f) analysis.
19. No residential or commercial relocations will be required.
20. Public or historic properties will not be impacted.
21. The City will coordinate with utilities and acquire any approvals needed to work on their ROW, or for any utility relocation, as necessary.
22. No design will be required by Stanley for the completion of the CE.
23. No GIS or graphics work will be required by Stanley.
24. No archeological sites will be located in the survey.
25. No subsurface testing will be required.
26. No visual inspection of the project are for hazardous materials will be conducted.
27. Only the build and no-build alternatives will be investigated.
28. Noise mitigation is not anticipated. If noise mitigation is required, it will be under a snw scope and budget.
29. Enhanced noise modeling will not be needed.

Further, Stanley will coordinate with the City and UDOT to clearly identify the project issues. From there, Stanley will complete the environmental document form and attach all necessary documentation, completing the three documents for the City.

Purpose and Need. *Stanley will work with the City to identify the purpose and need (P&N) and project description.* The P&N section must be defensible and could include any mitigation or long range restoration plans by the City, County, or State that are applicable to this project. We will join the City and complete a site visit to further document and understand issues that may require additional attention.

Project Limits. In the CE, Stanley will clearly and concisely describe the proposed project, including:

- Project limits;
- Project footprint;
- Construction impacts and limits;
- Reference maps; and
- Typical sections.

Stanley will work with the City to obtain existing information, reference maps, project limits, and typical sections, as

presently designed. If there is a need to modify the project footprint or construction limits, Stanley has the staff on-hand to immediately respond, upon an approved scope and budget change, work with the designers (upon approval) to make modifications to the proposed projects' footprints, as necessary.

Technical Studies. Stanley will prepare technical studies for each environmental resource potentially impacted, all of which be summarized in the environmental document. Under our scope of work, Stanley will obtain the applicable approvals, including applications for any permits needed. Following resource-specific impact documentation related to the project, Stanley will coordinate with the City to develop any mitigation commitments that may be necessary.

Natural Resources. Stanley recognizes that these projects are within an urban setting, with low probability for impacts to the natural environment. There are no known federally listed species that occur within the footprints of the projects, but this will be confirmed within the CE process. However, species of concern (SOC) for the State of Utah include invertebrates, reptiles birds and mammals; Stanley will perform a habitat assessment for these species and in following the UDOT process, Stanley will request a biological clearance letter from the UDOT wildlife biologist, though no further studies or documentation (i.e., Biological Assessment nor Section 7 consultation with the US Fish and Wildlife Service (USFWS)) are anticipated for wildlife and special-status species. Stanley has excellent relationships with members of the USFWS and other natural resource agencies in Utah. Mr. Black was coauthor with the USFWS on the Status of the Species Report for the Ute ladies'-tresses, has conducted thousands of hours of species surveys, and has recently worked very closely with the State of Utah DWR and the USFWS to develop a delisting package for the species. An analysis of the potential for the spread of invasive or noxious weed species will be conducted, along with an analysis of impacts to Prime and Unique Farmland (a Form AD 1006 and a NRC letter will be completed).

Cultural Resources. Stanley Consultants has successfully teamed with CERTUS Environmental Solutions (CERTUS) to provide West Jordan with the most complete, cost-effective cultural resource analysis available. Sheri will conduct a search of project and site records, followed by a field survey (both an intensive- and reconnaissance- level survey, based upon land development) for cultural resources within the Area of Potential Effect (APE). Sheri will perform coordination with SHPO, as needed, and provide Stanley with the results report to be included in the three CEs. Sheri has a great reputation and relationship with the Utah SHPO and with UDOT, and his highly respected. Sheri and Rick have worked together on many projects over the last 15 years.

Hazardous Waste. As all three projects are in built

areas, there is always a possibility of uncovering hazardous waste. Both intersection improvement projects are adjacent to gas stations. EPA's Enviro Mapper, EPA's Superfund Site data Base, and Utah Department of Environmental Quality (DEQ) Map Viewer will all be accessed to determine if there are any known hazardous waste material sites within the project area.

Business Impacts. There are some minor potential impacts to businesses anticipated, but socioeconomics impacts are not anticipated. There are, however, potential local impacts to noise and air resources within the community. We will perform the analysis to determine the potential impacts from these three projects on the local communities.

Air Quality. Hot-spot analyses are anticipated to be required for CO and PM. The UDOT's Environmental Process Manual of Instruction details requirements for air quality analysis for transportation projects that have the capability of impacting regional and micro-scale or local air quality levels due to added capacity to the impacted intersections and roadway. The air analyses will be completed using the most recent versions of the applicable software. Construction activities are expected to also impact particulate matter levels so recommendations for Dust Control and Watering will be addressed as well.

Noise. In urban areas it is common that projects that add capacity or change the horizontal alignment create potential noise impacts on sensitive receivers such as residences, businesses, schools, parks, and churches. Stanley Consultants will perform a noise assessment to determine if alone addition will produce noise levels that have an impact on sensitive receptors. The assessment will follow the current UDOT Noise Abatement Policy and Procedure (UDOT 08A2-01) and include analyses for both the Preferred Alternative (PA) and No-Action Alternative. Initially a screening analysis will be performed to identify sensitive receptor locations, once the land use and receptors have been characterized, field noise monitoring will be performed. Recommendations on ways to minimize noise impacts may be provided based on the initial assessment. A draft report, documenting project scope, monitoring/modeling methodologies and results, and recommendations, will be provided and finalized upon receipt of comments.

Wildlife, Wetlands, Farmland Impacts. Potential for wildlife impacts, several resources and issues that are anticipated for this project. They include county flood control permits for the culvert under 5600 West at approximately 8200 South, and any potential for associated wetlands, cultural resources and utility coordination. The 5600 West project is located adjacent to open lands and may impact species that use these fields during the summer for foraging, cover, and nesting; or to winter there from the adjacent Oquirrh Mountains. It also crosses drainage from detention basins adjacent to Mountain View Corridor. Since

any wetlands associated with the drainage crossing are considered a special aquatic site associated with Waters of the U.S., agency coordination may be required with the USACE. If needed, we will contact the USACE early in the process to determine if a wetland delineation and a permit is required for the project. Permits are required for work in or impacts to wetlands and other waters that are regulated by Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act of 1899. If a permit is needed, it is anticipated to be a Nationwide Permit (NWP 14). The NWP 14 is available for linear transportation projects that result in a loss of less than a half acre of Waters of the US. Stanley will coordinate with the USACE and determine what level (if any) of permitting will be necessary. A preliminary site visit was conducted by Stanley staff and it appears that most work is planned outside of wetland areas. If impacts to wetlands from this project exceeds the ½ acre limit, an Individual Permit (IP) must be applied for. Stanley will also coordinate with the City and the county to determine if a permit is needed for the culvert, and if water quality may be impacted.

Utility Coordination. Stanley Consultants also recognizes that there are utilities (Rocky Mountain Power, water, and potentially others) within the project area. Coordination with utility owners and managers will be brought into the discussions early in the process to limit any surprises that may cause delays in schedule. Furthermore, we understand that the proposed project is not entirely within existing disturbed areas. We assume that there will be a need for cultural surveys. Stanley's subconsultant, CERTUS Environmental Solutions (CERTUS), will perform the scope of services needed to fulfill the requirements of the CE.

Public Involvement. Public involvement for the project will be limited to an advertisement for the opportunity for a public hearing in two local newspapers. Stanley will place an advertisement in the West Jordan Journal and the Salt Lake Tribune.

Quality Control. Stanley has a quality program that provides you, the City, assurance that the CE is accurate and that the quality is defensible for decision making. The process includes a client expectation survey, development of a quality plan, documentation of the quality control process, and a detailed editing of the documents by our technical editor.

Proposed Schedule

Stanley Consultants will submit the final CE for UDOT's approval within 11 working weeks of NTP to expedite the schedule and to have the environmental process completed by mid-February. If a USACE, NWP or an IP is required, the permit does not need to be completed to begin the design; however, the permit must be completed before construction begins. Stanley Consultants will accomplish

this schedule by providing the City with:

- Expertise and experience to conduct and document all analyses needed for the project;
- Early coordination with the City, Salt Lake County, UDOT, USFWS, USACE, and utility companies to ensure there are no unseen issues;
- A familiarity with the NEPA process;
- A streamlined process, saving the City time and money
- Expertise with USACE permitting (if needed) and County Flood Control (if needed); and
- Expertise with listed species and coordination with natural resources agencies, including the USFWS and Utah DWR.

Proposed Budget. Enclosed in the sealed envelop is our fee proposal. It is based on the Stanley scope of work, the attached CERTUS Scope of Work, and assumptions defined below. Any scope of work additions or schedule adjustments requested by the the City will result in contract modifications for additional funding based upon the fee schedule.

Expansion Options (if needed). Possible expansions to the scope of work, schedule, and budget include the following:

- If coordination with the USACE results in the need for a permit, a wetland delineation larger than 1/2 acres may be required.
- NWP or IP for the impacts to wetlands may need to be prepared.
- If the City finds coordination efforts with utility companies stalling, Stanley's relationship with these companies will be an asset to the City in expediting coordination efforts.
- If the City requires additional graphics and GIS support, Stanley Consultants has an excellent GIS and graphics design group that has worked on NEPA documents produced by our Salt Lake City office.
- Stanley has design staff with experience in roadway, ped-bridges, and culvert design that would be happy to support the City in any design efforts that may be needed.
- If the West Jordan Cemetery is a 4(f) property, a *de minimus* 4(f) analysis will be conducted.
- If the West Jordan cemetery is determined to be a 4(f) property, a noise analysis may be necessary for the adjacent intersection improvement project.

Summary of Deliverables

- Monthly project update reports
- Draft environmental document for each project
- Final environmental document for each project
- Supporting information for each resource analyzed
- Project map with project boundaries

Summary of Major Tasks, Hours, and Personnel Assigned

Prepared: Rick Black

Activity - Task Description	PRINCIPAL Mark Freeman	PROJECT MANAGER Rick Black	QC/QA Todd Lyon	TECHNICAL EDITOR Jennifer Morris	NATURAL RESOURCES Rick Black	AIR AND NOISE Angela Phipps	PUBLIC INVOLVEMENT Natalie Wagstaff	RDWY AND INTERSECTION DESIGN Vance Hanson	ROADWAY DESIGN Trent Hanson	STORM WATER DESIGN David Osborn	UTILITIES Greg Thomas	SURVEY Craig Yates	ROW QC Rob Baker	ROW Lindsey Berney	CULVERT Amber Lott	CERTUS ENVIRO SOLUTIONS Subconsultant	TOTAL HOURS
1300 West 7800 South Intersection																	
Agency Coordination		3														1	3
Develop Purpose and Need / PI		2					4										6
Utility Coordination		2									4						6
Hazardous Waste Data Base Search		3			6												9
Cultural Resources		2														5	2
Field Surveys (Wetlands, Special Species, Storm Water, Weeds, Water Quality, Farmland)		2			6												8
Socio-Economics / Environmental Justice / 4(f)		3			4												7
Air and Noise		2				14											16
ROW													2	8			10
Quality Assurance	1		2														3
Document Preparation (Draft and Final)		4		8													12
Subtotal Hours	1	23	2	8	16	14	4	0	0	0	4	0	2	8	0	6	82
9000 South 4000 West Intersection																	
Agency Coordination		3														1	3
Develop Purpose and Need / PI		2					4										6
Utility Coordination		2									4						6
Hazardous Waste Data Base Search		3			6												9
Cultural Resources		2														5	2
Field Surveys (Wetlands, Special Species, Storm Water, Weeds, Water Quality, Farmland)		2			6												8
Socio-Economics / Environmental Justice / 4(f)		2			4												6
Air and Noise		2				14											16
ROW													2	8			10
Quality Assurance	1		2														3
Document Preparation (Draft and Final)		4		8													12
Subtotal Hours	1	22	2	8	16	14	4	0	0	0	4	0	2	8	0	6	81
5600 West from 7800 South to 8600 West																	
Agency Coordination		4														2	4
Develop Purpose and Need / PI		6					4										10
Utility Coordination		2									6						8
Hazardous Waste Data Base Search		2			4												6
Cultural Resources		2														9	2
Field Surveys (Wetlands, Special Species, Storm Water, Weeds, Water Quality, Farmland)		2			8												10
Socio-Economics / Environmental Justice / 4(f)		4			6												10
Air and Noise		4				20											24
ROW													2	8			10
Quality Assurance	1		4														5
Document Preparation (Draft and Final)		8		12													20
Subtotal Hours	1	34	4	12	18	20	4	0	0	0	6	0	2	8	0	11	109
Total Hours	3	79	8	28	50	48	12	0	0	0	14	0	6	24	0	23	272

Past Project Experience, Similar Work, and References

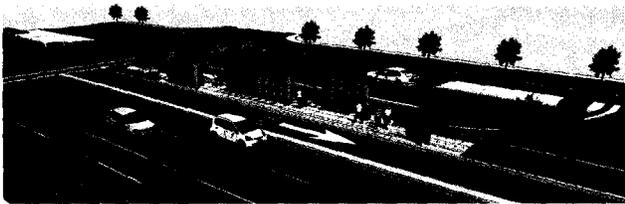
Stanley Consultants has completed 55 CE for city, county, and state agencies. Collectively, our team has worked on the following similar and relevant projects.

Work for the City of West Jordan Preliminary Design of Utility Infrastructure, 7000 South from Jordan River to 3200 West; City of West Jordan; West Jordan, UT—Stanley

Consultants completed the preliminary analysis and engineering of storm drain, sanitary sewer, and culinary water utilities (10,560-feet/2-miles) along the 7000 South corridor from the Jordan River to Constitution Park. While the project included the preliminary design of a storm drain conveyance from the park to the Jordan River, the sanitary sewer collection system in 7000 South needed additional capacity and consolidation for future O&M efficiencies. The water distribution system was also modified with relocation of a PRV to realign the pressure zone boundary, and pipeline replacement in segments where called for by the City's Water Master Plan. Our team worked with third party utilities to determine conflicts, obtain permits, and acquire approval for this project. We coordinated with the local canal companies and their respective representatives on three canal crossings to facilitate approvals and reduce potential for conflict and missed expectations.

Categorical Exclusion and Environmental Studies

Taylorsville-Murray Bus Rapid Transit Study; Cities of Murray and Taylorsville, UT



Stanley Consultants completed the evaluation and concept development of VISSIM modeling for various alternatives, including the Bus Rapid Transit System and Transit Signal Priority. For the travel demand modeling, traffic, and systems engineering, our study team reviewed the existing travel demand models and proposed land use to transit facilities. The team used VISSIM to simulate buses and advanced signal-phasing strategies for bus prioritization. Our survey staff gathered existing parcel data, ROW, and boundaries to set up the base drawings. The team prepared the preliminary ROW plans, determined potential ROW impacts, takes and easements.

Our Team: V Hanson, D Jovanovic, T Hanson, C Yates, R

References

Shane Marshall, PE
UDOT
801.965.4030/smarshall@utah.gov

Kathleen Anderson
USACE
801.295.8380
kathleen.anderson@usace.army.mil

Kade Moncur, PE
Salt Lake County
Engineering & Flood Control
385.468.6630
kmoncur@slco.org

Mike Gladbach, PE
Sandy City
801.568.2968
mgladbach@sandy.utah.gov

Matthew D. Cassel, PE
Park City Municipal Corp.
435.615.5075
matt.cassel@parkcity.org

Baker, J Morris; Reference: Utah Transit Authority, Janelle Ericson (Project Manager) 801.237.1951

Categorical Exclusion; 700 West (Holden St) from 7200 to 7800 South (Holden Street); Midvale, UT

Stanley Consultants prepared the categorical exclusion preparation and documentation for this local government federal aid project. The preliminary design included sidewalk on 700 West (Holden Street) between 7200 South and 7800 South. The project involved coordinating with affected stakeholders, collecting public comment, and preparing the environmental document in UDOT's ePM system. "I have enjoyed working with [Stanley Consultants] and hope we can team up on future projects." Keith Ludwig, City Engineer, Midvale City, September 18, 2015. *Our Team:* D Osborn, N Wagstaff, B Fenton, R Baker, J Morris; *Reference:* Midvale City, Phil Hill, (Project Manager) 801.256.2590

Categorical Exclusion and Reconstruction Design for Deer Valley Drive (CMGC); Park City Municipal Corporation; Park City, UT



Stanley Consultants provided engineering and design for this construction management general contracting (CMGC) project. The scope of services for this roadway rehabilitation project included roadway reconstruction, replacement of gutter, mill and overlay, bus pull-outs, storm drain improvements, addition of a waterline, and signing and striping throughout the project area. This was the first local government federal aid CMGC project and required close coordination with the City, UDOT, and the contractor to assist them through the CMGC process. The project goals were to develop a cost effective design that

minimized traffic impacts and roadway closures, which meant prevented digging up large portions of roadway, extending schedule, and impacts to the public. The design team determined the optimal placement of the waterline and resolved to slip lining the storm drain system instead of completely removing the existing system, this reduced traffic impacts and expedite the construction schedule. Finally, Stanley Consultants assisted the City by producing the Appendix C, Scope of Work, and the contractor submittal.

Our Team: D Osborn, T Ligon, T Hanson, T Egan, R Herbst, A Lott, C Yates, R Baker, J Morris; **Reference:** Park City, Matt Cassel, PE (Project Manager) 435.640.6409

Categorical Exclusion and Box Culvert Design; SR-83, MP 23.5; Utah Department of Transportation, Region 1, UT

Stanley Consultants professional engineering services were requested for the completion of a documented categorical exclusion and design services for replacement of a damaged 144-inch corrugated metal pipe (CMP) culvert at M.P. 23.25 with a concrete box culvert. The design specifications included roadway reconstruction, CMP removal, replacement with precast concrete box, mobilization and traffic control. Other services provided included survey and ROW design and environmental services. **Our Team:** D Osborn, T Ligon, T Hanson, T Egan, R Herbst, A Lott, C Yates, R Baker, J Morris; **Reference:** UDOT Region 1, Rod Terry, (Project Manager) 801.791.5305

Concept, & Design, SR-154; Bangerter Hwy and 5400 South Flex Lanes; Taylorsville, UT



Stanley Consultants completed signal and lighting design for the flex lanes and continuous flow intersection (CFI). Our team prepared concepts, preliminary design, and final design, a detailed transportation management plan, signals and lighting, preparation of PDC, and cost estimates. **Our Team:** V Hanson, D Jovanovic, T Hanson, R Baker; **Reference:** UDOT Region 2, Brandon Weston, PE (Project Manager) 801.965.4603

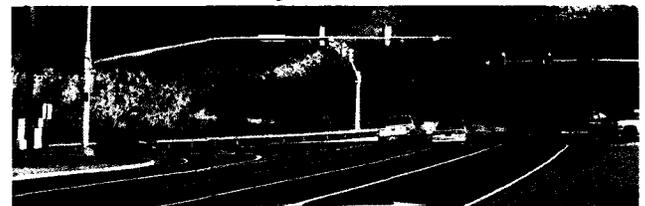
Roadway and Intersection Improvements

Roadway and Intersection Improvements, 9000 South 700 West, Sandy, UT

Stanley Consultants completed the design on 9000 South, that has many common elements and features to the project intersections. Relocating Rocky Mountain infrastructure and obtaining easements for new

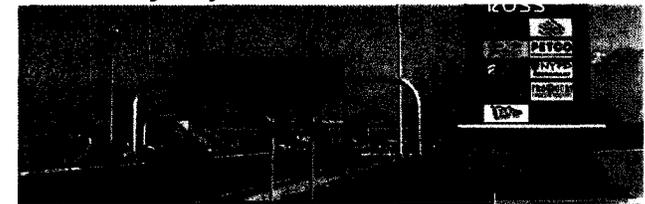
power pole locations was a significant challenge the team overcame to deliver the project on time. The intersection design included adding turn lanes, drainage improvements and box adjustments, pedestrian ramps and signal replacement. Our team collected data on all utilities, provided utility coordination, and prepared an accurate utility base map. Our project team worked and coordinated closely with the third party PI and ROW acquisition consultants previously selected by Sandy City and UDOT. **Our Team:** D Osborn, T Hanson, B Fenton, D Jovanovic, R Baker, T Egan, C Yates, A Lott, V Hanson; **Reference(s):** Sandy City, Blaine Botkin (Project Manager) 801.568.2981; UDOT R2, Peter Tang, 801.887.3637

Intersection Improvements at 9800 South and Wasatch Blvd.; Sandy, UT



Stanley Consultants provided complete preconstruction engineering and design services for the improvements of the intersection and the roadway widening that included a new left-hand turn lane on the east and west side of Wasatch Blvd. Features consisted of signal upgrades and safety enhancements, pedestrian ramps, drainage improvements, ATMS features, and 1,000 linear feet of MSE retaining wall. Traffic capacities were increased. Other services included a boundary survey for ROW deeds and documents. Deliverables included plans, specifications, estimate, survey controls, survey points and descriptions, base mapping, and a digital terrain model. **Our Team:** V Hanson, D Osborn, T Hanson, D Jovanovic, C Yates, R Baker, A Lott, P Blackham; **Reference:** UDOT R2, Ritchie Taylor, PE (Project Manager) 801.887.3631

Preliminary & Final Design, Intersection Improvements at I-215; 3500 South and SR-171, West Valley City, UT



Stanley Consultants provided comprehensive intersection design and preconstruction services. The nonstandard geometry required substantial coordination with UDOT Central Traffic and Safety. The project consisted of a triple left turn arrangement, significant subsurface utility investigation and utility coordination, and intersection

and safety improvements. Project features consisted of retaining walls, barriers, noise/retaining walls, drainage system, frontage road, and I-215 ramp reconfiguration. **Our Team:** V Hanson, D Osborn, T Egan, B Fenton, A Lott, R Baker, D Jovanovic, T Hanson, C Yates; **Reference:** UDOT R 2, Oanh Le-Spradlin, (Project Manager) 801.975.4819

Roadway Widening, 7200 South from I-15 to 700 West; Midvale City; Midvale, UT—Stanley Consultants, working with Midvale City, determined that 7200 South needed to be widened to accommodate the increase in traffic flow, and additional turn lanes and storage for commuters in both directions. The existing corridor and railroad structure openings would not allow for standard width lanes. The travel lanes on 7200 South from I-15 to 700 West were too narrow and caused traffic congestion and backup during peak hours. New businesses and commerce were being developed in the area, and business owners requested facilities with beautification and aesthetic enhancements. Our team coordinated with UDOT, the owner of 7200 South, and property owners to obtain ROW and coordinated with major utility companies to avoid utility conflicts where possible, as well as the relocations of UDOT ATMS, Questar gas services, underground power, and storm drain systems. We prepared UDOT design exceptions and deviations from standards to allow substandard lane widths under the bridges and performed an analysis for safety and cost benefits for the narrow lanes. **Our Team:** D Osborn, T Ligon, T Hanson, N Wagstaff, B Fenton, R Baker, C Yates, P Blackham, A Lott; **Reference:** Midvale City, Phil Hill, (Project Manager) 801.256.2590

Pedestrian Bridge
Pedestrian Bridge at 1300 East and Buttercup, Sandy City, UT



The City wanted to improve pedestrian safety and traffic flow by removing the signal at Buttercup Drive and 1300 East. The City determined that a pedestrian bridge was required to provide a safe walking route for students and pedestrians to Eastmont Middle School and connectivity from the east side of 1300 East to the west side. The structural design of the bridge required the new facility to touch down south of the Sandy City Library, east of the sidewalk and west of the parking lot; and on the property of Eastmont Middle School. The ramp to the bridge consists of a single switch-back that runs north, the turns around goes south until it matches the grade of the sidewalk on the west side of 1300 East. The main span is a prefabricated figured structure for cast-in-place concrete with a span of 32-feet over 1300 East. Our team worked with the Salt Lake

County Library and the Canyons School District to obtain ROW. Stanley Consultants assisted the City with survey and ROW, structural design, utility coordination, and project management. Construction is pending (2015).

Our Team: D Osborn, T Ligon, T Hanson, C Dunkel, R Baker, C Yates, P Blackham, A Lott, B Baggaley; **Reference:** Sandy City, Blaine Botkin (Project Manager) 801.568.2981

Pedestrian Bridge Study and Design, Jordan River Park Trail and 200 North, Salt Lake City, UT



This project included the situation and layout for the concept design of a pedestrian bridge that included type, size and specific location. The design team provided three alternatives for a preferred alignment that minimized impacts. The bridge spans over three railroad tracks (2-UPRR and 1-SGWRR). Coordinated with third party utilities and stakeholders including the relocation of Rocky Mountain power poles, Salt Lake City Parks Department ROW and easements and river bank slope, Salt Lake City Public Utilities drainage structures, UPRR and SGWRR, USACOE 404 permit, Utah DWQ, Utah Historic Preservation, Division of Fish and Wildlife, as well as Utah DEQ for drainage.

Our Team: D Osborn, P Blackham, T Hanson, C Dunkel, R Baker, C Yates, A Lott, B Baggaley, J Morris; **Reference:** Salt Lake City, Paul Dowler, PE (Project Manager) 801.535.6379

Mill Creek Culvert Study; Salt Lake County;

Millcreek, UT—Stanley Consultants provided structural engineering services to Salt Lake County Engineering and Flood Control Division to document the condition of five reinforced concrete box culverts. As part of that study, we took photographic records of the condition of the culverts; measurements of their lengths and inside dimensions; as well as wing wall lengths and headwall heights at each end. We rated each of the culverts based on their condition in accordance with the Reporting and Coding Guide for the Structure Inventory and Appraisal of the Nations' Bridges (FHWA-PD-96-001), and provided a final study report which documented our observations. **Our Team:** P Blackham, A Lott, J Morris; **Reference:** Salt Lake County, Grover Marsh, (Project Manager) 801.554.1491

Client: City of West Jordan
 Environmental Clearance for 3 Locations
 Total Professional Services Fee:
\$36,160

Prepared: Rick Black

Activity - Task Description	PRINCIPAL	PROJECT	QC/QA	TECHNICAL	NATURAL	AIR AND	PUBLIC	ROWY AND	ROADWAY	STORM	UTILITIES	SURVEY	ROW GC	ROW	CULVERT	CEMTUS	TOTAL	LOADED	
	Mark Freeman	Rick Black	Todd Ligon	Jennifer Muris	Rick Black	Angela Phipps	Natalie Wagstaff	Vanice Hanson	Trent Hansen	David Odell	Greg Thomas	Craig Yates	Rod Baker	Lindsay Bentley	Amber Lutz	Subcontract	HOURS	TOTAL LABOR	
	\$10	\$10	\$10	\$0	\$6	\$10	\$0	\$26	\$18	\$12	\$18	\$0	\$12	\$6	\$12	\$6			
1300 West 7800 South Intersection																			
Agency Coordination		3															1	3	\$547.79
Develop Purpose and Need / PI		2					4											6	\$540.00
Utility Coordination		2									4							6	\$652.00
Hazardous Waste Data Base Search		3			6													9	\$990.00
Cultural Resources		2														5	2	\$788.95	
Field Surveys (Wetlands, Special Species, Storm Water, Weeds, Water Quality, Farmland)		2			6													8	\$640.00
Socio-Economics / Environmental Justice / 4(f)		3			4													7	\$810.00
Air and Noise		2				14												16	\$1,980.00
ROW													2	8				10	\$1,010.00
Quality Assurance	1	4	2	8														3	\$480.00
Document Preparation (Draft and Final)																		12	\$1,080.00
Subtotal Hours	1	23	2	8	16	14	4	0	0	0	4	0	2	8	0	6	82	\$9,918.74	
8600 South 4000 West Intersection																			
Agency Coordination		3															1	3	\$547.79
Develop Purpose and Need / PI		2					4											6	\$540.00
Utility Coordination		2									4							6	\$652.00
Hazardous Waste Data Base Search		3			6													9	\$990.00
Cultural Resources		2														5	2	\$788.95	
Field Surveys (Wetlands, Special Species, Storm Water, Weeds, Water Quality, Farmland)		2			6													8	\$640.00
Socio-Economics / Environmental Justice / 4(f)		2			4													6	\$650.00
Air and Noise		2				14												16	\$1,980.00
ROW													2	8				10	\$1,010.00
Quality Assurance	1	4	2	8														3	\$480.00
Document Preparation (Draft and Final)																		12	\$1,080.00
Subtotal Hours	1	22	2	8	16	14	4	0	0	0	4	0	2	8	0	6	81	\$9,768.74	
8600 West from 7800 South to 8600 West																			
Agency Coordination		4															2	4	\$795.58
Develop Purpose and Need / PI		6					4											10	\$1,140.00
Utility Coordination		2									6							8	\$1,126.00
Hazardous Waste Data Base Search		2			4													6	\$660.00
Cultural Resources		2														9	2	\$1,180.11	
Field Surveys (Wetlands, Special Species, Storm Water, Weeds, Water Quality, Farmland)		2			8													10	\$1,020.00
Socio-Economics / Environmental Justice / 4(f)		4			6													10	\$1,140.00
Air and Noise		4				20												24	\$3,000.00
ROW													2	8				10	\$1,010.00
Quality Assurance	1	8	4	12														5	\$790.00
Document Preparation (Draft and Final)																		20	\$1,300.00
Subtotal Hours	1	34	4	12	18	20	4	0	0	0	6	0	2	8	0	11	109	\$13,773.69	
Total Hours	3	79	8	28	50	48	12	0	0	0	14	0	6	34	0	23	279		
Total Loaded Labor	\$540.00	\$11,850.00	\$1,200.00	\$1,880.00	\$4,500.00	\$5,760.00	\$720.00	\$0.00	\$0.00	\$0.00	\$1,932.00	\$0.00	\$750.00	\$2,580.00	\$0.00	\$2,249.17		\$33,461	
Total Direct Expenses																		\$2,699	
Total Project Fee																		\$36,160	



CITY OF WEST JORDAN

SCOPE OF WORK FOR ENVIRONMENTAL CLEARANCE

**1300 West 7800 South Intersection,
9000 South 4000 West Intersection, and
5600 West from 7800 South to 8600 West,**

Conforming to City, State, and Federal Standards

The City of West Jordan requests proposals from professional consulting engineering firms for environmental conformity for road widening and reconstruction of 1300 West at its intersection with 7800 South, 4000 West at its intersection with 9000 South and 5600 West from 7800 South to 8600 South. The basic issues and needs of the project are outlined in the following paragraphs:

BACKGROUND – 1300 West 7800 South

1300 West is proposed to be a collector street in the City of West Jordan's 2015 Transportation Master Plan. 7800 South is a proposed minor arterial in the City of West Jordan's 2015 Transportation Master Plan. At their intersection staff secured potential funding through the Congestion Management Air Quality (CMAQ) and the Wasatch Front Regional Council (WFRC) in 2010 to improve safety and decrease congestion.

1300 West currently exists with varying cross sections. The south side of the intersection contains two through lanes, a left turn lane and a right turn lane. The north side of the intersection contains two through lanes and a left turn lane. 7800 South is constructed with two through lanes, shoulders, and a single left turn lane. Left turn lanes in 7800 South are slightly offset and may currently present a sight distance problem. The current road section in 1300 West is also sub-standard and will need to be removed and replaced.

Utilities may need upgrading (water and sewer through City of West Jordan) or relocation (Rocky Mountain Power, Questar Gas, Qwest and Comcast) to accommodate the new road section.

Property taking on east side of the street and at corner radius points will be necessary. Part of the project may place roadway on West Jordan Cemetery property but will not displace any graves. Funding for the overall project is federal with local match, while the environmental clearance

will be funded locally. Preparation of final design and bid documents package will be after an environmental clearance is obtained (EA or CADEx for finding of no significant impact - FONSI). Full UDOT design standards and utility company standards shall be required for the preliminary designs.

BACKGROUND – 4000 West 9000 South

4000 West is proposed to be a collector street in the City of West Jordan's 2015 Transportation Master Plan. 9000 South is a UDOT arterial street. At their intersection City staff secured potential funding through the Congestion Management Air Quality (CMAQ) and the Wasatch Front Regional Council (WFRC) in 2011 to improve safety and decrease congestion this intersection.

4000 West currently exists with varying cross sections. At peak periods traffic will back up on 4000 West through the TRAX crossing to the north. This project hopes to evaluate the need for additional through lanes, better signal timing, or improved safety features at the intersection to eliminate the conflict with TRAX. The current road section in 4000 West is also sub-standard and will need to be removed and replaced.

Utilities may need upgrading (water and sewer through City of West Jordan) or relocating (Rocky Mountain Power, Questar Gas, Qwest, and Comcast) to accommodate the new road section.

Property taking on west side of the street will be necessary. Funding for the overall project is federal with local match, while the environmental clearance will be funded locally. Preparation of final design and bid documents package will be after an environmental clearance is obtained (EA or CADEx for finding of no significant impact - FONSI). Full UDOT design standards and utility company standards shall be required for the preliminary designs.

BACKGROUND – 5600 West from 7800 South to 8600 South

5600 West is proposed to be an urban arterial street in the City of West Jordan's 2015 Transportation Master Plan. Staff secured potential funding through the Surface Transportation Improvement Plan (STIP) and the Wasatch Front Regional Council (WFRC). The road currently exists as a half street section with two lanes in each direction from 7800 South to 8600 South Street. The current road section is sub-standard and will need to be removed and replaced.

West Jordan would like to include a pedestrian bridge at the intersection of 8200 South and 5600 West as part of the design. Pedestrian bridge should begin on the west side of 5600 West adjacent to Charter School play area and extend to the east side of 5600 West into West Jordan Middle School Property. A retaining / barrier wall may be required on the east side of the road from 8600 South to 8200 South. Walls shall meet or exceed UDOT requirements. A retaining / barrier wall may be required on the east side of the road from 8600 South to 8200 South. Walls shall meet or exceed UDOT requirements.

At 8000 South, the project will investigate the hydrologic basin upstream of 5600 West. If necessary the project will replace the current culvert crossing. Utilities may need upgrading (water and sewer through City of West Jordan) or relocation (Rocky Mountain Power, Questar Gas, Qwest, and Comcast) to accommodate the new road section. Funding for the overall project is federal with local match, while the environmental clearance will be funded locally. Preparation of final design and bid documents package will be after an environmental clearance is obtained (EA or CADEx for finding of no significant impact - FONSI). Full UDOT design standards and utility company standards shall be required for the preliminary designs

SCOPE OF WORK:

The City is required to obtain environmental clearance for each project in order to obligate and use the Federal funds apportioned to this project through the CMAQ. Work will include:

- ❑ All investigations, studies, reports, concurrence letters, conceptual designs, coordination meetings, public hearings, responses to public comments, and any other FHWA required items needed to obtain a FONSI for this project.
- ❑ All Federal and State (UDOT) design criteria must be followed, and coordination will be through the City and UDOT. An Environmental Assessment finding of no significant impact (FONSI) or Categorical Exclusion must be obtained, and all preliminary design efforts will be minimized to meet this goal.
- ❑ Funding for the environmental work leading up to the Environmental Assessment or Categorical Exclusion is through the City.
- ❑ All further design for the project will follow UDOT procurement practices and Federal requirements after the Environmental Assessment FONSI or Categorical Exclusion is obtained. The concept design layouts from West Jordan are attached.

It is a desire of the City of West Jordan to obtain an Environmental Assessment FONSI or Categorical Exclusion no later than February 01, 2015.

The duties of the Consultant will include:

- ❑ Prepare minimal design documentation to meet Environmental Assessment or Categorical Exclusion requirements.
- ❑ Coordinate with City of West Jordan on conceptual road design and signal design up to a 30% level, environmental clearances, and standards, including design reviews.
- ❑ Evaluate properties needed for the project based upon required alignment. Provide surveying and legal descriptions required for property (full takes, partial takes, and temporary construction and permanent easements) acquisitions.
- ❑ Conduct required investigations for archeological clearance, air quality, historical properties reports, wetland determinations, noise evaluations, and all other required Federal Highway Administration environmental criteria.
- ❑ Submit the Plans and Environmental Assessment report to West Jordan City, and UDOT for FHWA approval. Electronic copies of plans and report will be required.
- ❑ Conduct a public open house for public comment needed to meet public input and notice requirements for the project.
- ❑ Meetings and coordination
- ❑ Engineers construction cost estimate

If meetings or work that is outside the scope becomes necessary such as additional surveying, road plan design, or modifications to the provided roadway design, at the client's written direction the work will be performed on a time and expenses basis.

ENGINEERING CONSULTANT QUALIFICATION

Engineering consultants that will be given consideration must meet the following conditions:

1. Submit a complete proposal including all items requested.
2. Demonstrate experience with design and environmental compliance reports of similar roadway and intersection design projects.
3. Use of qualified Civil, Environmental consultants familiar with the Federal clearance process, and other consultants as required for the project team.

PROPOSAL FORMAT

The proposal is to contain the following information in the general order listed, and should not exceed ten pages in length (excluding the appendix):

1. A description of the project team and the qualifications of the firm to complete this project. Identify the availability of the project personnel by showing the percent of time the team members have to work on this project. (Resumes of each project team member should be included in proposal appendix).
2. The detailed scope of work prepared by the consultant, methodologies recommended, and a summary of the deliverables to be provided to the City.
3. A proposed schedule to complete the scope of work.
4. A summary spreadsheet outlining each step of the project and how each step will be managed. An hourly breakdown of each major task and personnel assigned to each task is required.
5. Your firm's proposed fees including hourly rates for key personnel. *Fee Proposal to be submitted in a separate sealed envelope.*
6. Past experience, including projects completed and reference/contact information for the cities served.
7. A City conflict of interest form must be filled out and returned with the proposal (does not count toward the ten page total).

SUBMITTAL REQUIREMENT

Four (4) copies of the technical proposal and one copy of the sealed fee proposal shall be submitted to the City by **3:00 p.m. on November 5, 2015.**

Submittal shall be made to the City of West Jordan Records Office, Attention: David Murphy, P.E., Engineering Manager for Capital Improvement Projects, 8000 South Redwood Road, West Jordan, UT 84088.

Questions pertaining to this request for proposals should be directed to Greg Davenport at (801) 569-5077, cell (801) 520-2560 or on e-mail at gregd@wjordan.com. A selection committee appointed by City Administration shall review the submittal material.

SELECTION OF CONSULTANT

The successful consultant will be selected in accordance with the City procurement policy. Selection criteria to be used by the selection team include the following:

1. Appropriate level of training, experience, and expertise of key project personnel.
2. Ability to perform the work with respect to availability of key personnel, present workload, and available equipment, resources, and facilities.
3. Quality and completeness of the detailed, written work plan.
4. Past performance on similar projects for other agencies and for the City in particular.
5. Project schedule.
6. Local office, local firm presence and availability of project personnel for meeting and communicating with City personnel.
7. Previous work that reflects special expertise or groundwork available for the proposed project.
8. The professional fee proposal.
9. The quality of example drawings from previous projects.

The evaluation process will be based solely on these factors. No other factors or criteria will be used in the evaluation. The evaluation process will include a numeric-scoring sheet as follows:

1.	Experience, qualifications, availability, references, location.	15 %
2.	Past performance & understanding of the project.	10 %
3.	Scope of work to deliver the desired end product.	25 %
4.	Proposed schedule to complete the project.	5%
5.	Related project experience and example report.	15 %
6.	Cost proposal.	<u>30 %</u>
		100 %

Proposal Review

Project: Environmental Clearance
Review Team: Dave M., Greg D., Bill B.,
Review Date Deadline: Nov. 12, 2015 1:30 p.m.

Rating Weights (% of total weighted percentage)(example, if weighted % =15%, possible points = 15) (score each proposal area up to percentage weight: ie., between 1-15 pts, 0-5 Fair, 6-10 Good, and 11-15 Exceptional) Costs shall be evaluated together as a group.

Consultant	Weighted %	PEC	Stanley
Experience, qualifications, availability, references, location	15	13.00	15.00
Past performance & understanding of the project	10	9.33	9.00
Scope of work to deliver the desired end product	25	24.67	21.00
Proposed schedule to complete the project	5	4.00	5.00
Related project experience and example report	15	14.67	15.00
SUBTOTAL	70	65.67	65.00
Cost	30	21.18	30.00
TOTAL SCORE	100	86.85	95.00
Total Hours		540	228
Total Proposal Cost		\$51,216.00	\$36,160.00
RANK			
Cost Rating (\$/hour average)		\$94.84	\$158.60