

NOTICE AND AGENDA

Notice is hereby given that the City Council of the City of Santaquin will hold a City Council Meeting on Wednesday, October 15, 2014, in the Council Chambers, 45 West 100 South, at 6:00 p.m.

1. ROLL CALL
2. PLEDGE OF ALLEGIANCE
3. INVOCATION/INSPIRATIONAL THOUGHT
4. CONSENT AGENDA

- a. Minutes
 1. October 1, 2014
- b. Bills
 1. \$76,333.62

5. FORUM, BID OPENINGS, AWARDS, AND APPOINTMENTS

Public Forum is held to a 30-minute maximum with each speaker given no more than 5 minutes each. If more than 6 Speakers, time will be adjusted accordingly to meet the 30 minute requirement

- a. Recognition – "Communities That Care" Youth Mayor Recognition Award Recipients Talyr Mortensen and Tayt Kearl
- b. Appointment of Planning Commission Members
- c. Awarding of Bid – Geo-Technical Services in support of the design of a secondary access from Summit Ridge Parkway to US-6 Main Street

6. FORMAL PUBLIC HEARING

7. UNFINISHED BUSINESS

8. BUSINESS LICENSES

9. NEW BUSINESS

- a. Discussion with Regard to Progress on the Design of a New Public Works Building

10. INTRODUCTIONS AND ADOPTION OF ORDINANCES AND RESOLUTIONS

- a. Resolution 10-01-2014, "A Resolution Declaring Surplus Property of Santaquin City" (Misc. Items)
- b. Resolution 10-05-2014, "A Resolution Declaring Surplus Property of Santaquin City" (Land)

11. CONVENE OF THE COMMUNITY DEVELOPMENT BOARD

12. CONVENE OF THE SPECIAL SERVICE DISTRICT FOR ROADS MAINTENANCE

13. PETITIONS AND COMMUNICATIONS

14. REPORTS OF OFFICERS, STAFF, BOARDS, AND COMMITTEES

- a. City Manager Reeves
- b. Assistant City Manager Marker

15. REPORTS BY MAYOR AND COUNCIL MEMBERS

- a. Mayor Hunsaker
- b. Council Members

16. EXECUTIVE SESSION (May be called to discuss the character, professional competence, or physical or mental health of an individual)

17. EXECUTIVE SESSION (May be called to discuss the pending or reasonably imminent litigation, and/or purchase, exchange, or lease of real property)


18. ADJOURNMENT

If you are planning to attend this Public Meeting and, due to a disability, need assistance in understanding or participating in the meeting, please notify the City ten or more hours in advance and we will, within reason, provide what assistance may be required.

CERTIFICATE OF MAILING/POSTING

The undersigned duly appointed City Recorder for the municipality of Santaquin City hereby certifies that a copy of the foregoing Notice and Agenda was e-mailed to the Payson Chronicle, Payson, UT, 84651, posted in 3 places; City Center, Post Office and Zions Bank as well as posted on the State of Utah's Public Website.

BY:


Susan B. Farnsworth, City Recorder

® Amendment to the agenda

**MINUTES OF A COUNCIL MEETING
HELD IN THE COUNCIL CHAMBERS
OCTOBER 15, 2014**

The meeting was called to order by Mayor Kirk Hunsaker at 6:00 p.m. Council Members attending: Keith Broadhead, Matthew Carr and David Hathaway. Council Members Mandy Jeffs and Nick Miller were excused.

Others present: City Manager Ben Reeves, Assistant City Manager Dennis Marker, Police Chief Rod Hurst, City Engineer Norm Beagley, Fire Chief Stephen Olson, Matt Hendrie, Kim Hunsaker, Tayt Kearl, Talyr Mortensen, Troy Peterson and other unidentified individuals.

PLEDGE OF ALLEGIANCE

Ben Reeves led the Pledge of Allegiance.

INVOCATION/INSPIRATIONAL THOUGHT

Norm Beagley offered an invocation.

CONSENT AGENDA

Minutes

October 1, 2014

Bills

\$76,333.62

Council Member Carr moved to approve the Consent Agenda. Council Member Hathaway seconded the motion. The vote to approve the consent agenda was unanimous.

FORUM, BID OPENINGS, AWARDS, AND APPOINTMENTS

***Recognition – “Communities That Care” Youth Mayor Recognition Award Recipients
Talyr Mortensen and Tayt Kearl***

Mayor Hunsaker introduced Matt Hendrie, the president of ‘Communities that Care’. Mr. Hendrie said his organization worked in communities to strengthen families. He noted there are several students excelling in the service of strengthening families in the community, and two of them will be honored this evening.

Tayt Kearl – Tayt’s teacher, Mrs. Holt, nominated him for this award. She wrote that Tayt is an outstanding student, a friend to all, and had a great attitude.

Talyr Mortensen – Talyr was nominated by Mr. Wright. Mr. Wright wrote that Talyr has a 4.0 GPA and is active in several organizations, including working as an unpaid intern with special needs students at Santaquin Elementary, volunteering at the annual Muscular Dystrophy summer camp, and working with the “Let’s End Poverty” group, among others.

Appointment of Planning Commission Members

Mayor Hunsaker introduced Troy Peterson. Mr. Peterson said he worked for LEI Engineering and had lived in Santaquin most of his life. Mayor Hunsaker recommended that Mr. Peterson be appointed to the Planning Commission for a term of one year.

Council Member Broadhead made a motion to approve Troy Peterson’s appointment to the Planning Commission for a period of one year. Council Member Carr seconded the nomination. The vote to approve the motion was unanimous.

Awarding of Bid – Geo-Technical Services in support of the design of a secondary access from Summit Ridge Parkway to US-6 Main Street

Dennis Marker said an RFP for geotechnical services, in preparation for the design of a second Summit Ridge access, had been sent out, and the City had received only one response, from RB & G. The company does have rigs close to the area, and could begin immediately. Council Member Broadhead asked where the City was going to get the money to pay for these services. Mr. Marker said because this project is related to the CDA, any combination of CDA funds and/or economic development funds could be used. Ben Reeves said a budget amendment would be needed, which he could have ready for the next Council meeting. He said at this point the City was in the position of fronting the money until they could go forward with the full bonding. The geo-tech services are needed so that costs can be determined. Council Member Carr said he was fine with using economic development funds, and the key is to get the project moving. Council Member Broadhead indicated this might warrant more discussion.

Mr. Reeves said City attorney Brett Rich had recommended that in any process for the business park, or to segregate land for the road, it behooved the City to go through surplusage. Although not actually required, this is a housekeeping step which would give the public notice. Mr. Marker indicated this was also a good transparency move.

Council Member Broadhead moved to award the bid for Geo-Technical Services in support of the design of a secondary access from Summit Ridge Parkway to US-6 Main Street, to RB & G in an amount not to exceed \$32,866.50. Council Member Hathaway seconded the motion. The vote to award the bid to RB & G was unanimous.

FORMAL PUBLIC HEARING

No formal public hearings were held.

UNFINISHED BUSINESS

No unfinished business was discussed.

BUSINESS LICENSES

The following businesses have been issued City business licenses: A Lighter Meal, on-line packaged meals, owner David Stemmons; and H & R Block tax services. Mr. Marker said building permits for single family homes are higher than this time last year.

NEW BUSINESS***Discussion with Regard to Progress on the Design of a New Public Works Building***

Norm Beagley said he had been involved with some discussions with Public Works Director Wade Eva and Building Official Randy Spadafora regarding the new public works building. Mr. Spadafora has come up with a concept design, and Mr. Eva has gone over some design details with CO Building. Mr. Beagley said he has spoken to an architect who has done several CO buildings, and the estimate of one to one and a half million dollars comes from that research. The building will include lift and stem walls and outbuildings for storage. Mr. Beagley reviewed costs by category. In response to a question from Council Member Broadhead, Mr. Beagley clarified that the 'civil site work' category was for civil site design.

New Public Works building discussion, continued:

Mayor Hunsaker asked if the design allowed for additional buildings in the future. Mr. Beagley said this facility is being sized for a long way down the road. There is room for an additional building to the east, if the park plans are modified. Mr. Reeves said this building quadrupled what was currently available. When the time comes that the City exceeds this space, crew growth would probably be such that public works will be divided into different departments.

The building will be similar to the WRF facility, steel with insulated walls and a six foot high foundation wall. Salt sheds, storage units, offices with restrooms and showers, and a storage mezzanine will be included. Details of the construction were discussed, including fire sprinklers, a concrete apron to help with storm drain issues and storage shed doors.

Staff indicated the buildings will be further refined and the site layout finished. Jonathan Ward of Zion's Bank has suggested his MPA students do the site work as a project. Mr. Reeves said when the City Council passes a resolution of intent, this would give authorization for the staff to work with an architect and costs could be recouped from the proceeds.

Plans for the old public works area were discussed. The building could be utilized for restrooms, a ticket booth, or a second access for the public or horse trailers. Mr. Beagley noted that the property was worth more with the building still on it.

INTRODUCTIONS AND ADOPTION OF ORDINANCES AND RESOLUTIONS

***Resolution 10-01-2014, "A Resolution Declaring Surplus Property of Santaquin City"*
*(Misc. Items)***

Mr. Reeves said City recorder Susan Farnsworth had put together a list of surplus items, most of which will be given from one department to another. Police Chief Rod Hurst will trade the firearms for other needed equipment. A blue roof was added to the surplus list.

Council Member Carr moved to approve Resolution 10-01-2014, "A Resolution Declaring Surplus Property of the City" (Misc. Items). Council Member Hathaway seconded the motion. By a roll call vote, Council members Broadhead, Carr and Hathaway voted unanimously to approve resolution 10-01-2014.

***Resolution 10-05-2014, "A Resolution Declaring Surplus Property of Santaquin City"*
*(Land)***

Mr. Reeves said this resolution referred to a three parcel piece of property that included the lagoon area, and was being surplused in support of the business park and Summit Ridge access. Council Member Broadhead said the land had originally been purchased with federal money, and asked if there would be any issues with selling it. Mr. Reeves said the City was working with USDA to clean up the title report. Mr. Marker said the original agreement stated that if the City flipped the property, USDA would be given half the proceeds. He felt that agreement was completed with the purchase of the lagoon properties. Staff is in the process of cleaning up all title issues with the property.

Council Member Broadhead moved to approve Resolution 10-05-2014, "A Resolution Declaring Surplus Property of Santaquin City" (Land). Council Member Carr seconded the motion. By a roll call vote, Council Members Broadhead, Carr and Hathaway voted unanimously to approve resolution 10-05-2014.

CONVENE OF THE COMMUNITY DEVELOPMENT BOARD

The Community Development Board was not convened.

CONVENE OF THE SPECIAL SERVICE DISTRICT FOR ROADS MAINTENANCE

The Special Service District for Roads Maintenance was not convened.

PETITIONS AND COMMUNICATIONS

No petitions or communications were received.

REPORTS OF OFFICERS, STAFF, BOARDS, AND COMMITTEES

Assistant City Manager Marker

Mr. Marker said he recently met with representatives from the south county municipalities. They will be funding \$160,000 to a trails master plan, with work starting in December or January. The master plan will include back bone trail systems in the south county area and a core network in each city, encompassing the Bonneville Shoreline Trail, the Highline Canal, the Salem Canal, and from Spanish Fork to Benjamin. It is expected to take from a year to 14 months. The steering committee may make some presentations to the City Council, and Mr. Marker suggested some Council members may want to take more of a role.

SUNROC is planning to begin the reclamation process in few weeks. Mr. Marker said they had been informed that a geo-tech firm would be involved, and testing and compaction would be needed.

Mayor Hunsaker asked about finishing the trail from the LDS chapel to the Park. SUNROC has offered to donate the road base needed. Two to three feet of material behind the curb will need to be cut and hauled off. The mayor said he would be willing to donate time and a machine if the City came up with the trucks to haul the material away. Mr. Beagley said he anticipated it would take two to four days of cut and fill. The Council discussed doing some of the work as a service project to save the City money, so most of the bond money would go towards the road.

The Recreation Board met for the first time on Tuesday, October 14. Joe Anderson was elected as the Chair of the Board, and Jennifer Teemont as the vice-chair. The meeting started about 6:30 and provoked a lot of discussion.

Mr. Marker said he met with LEI Engineering concerning connecting Summit Ridge Parkway to Highway 6. After looking at amount of fill and asphalt necessary, it is believed the project cost will be approximately \$75,000. He will meet with UDOT next week on this.

The Architectural Review Committee recently reviewed a 36 unit mixed use project proposed for the lot behind the Public Safety building. The three buildings, each three stories high, will have commercial units on the ground floor. The plans will be reviewed by DRC next, and then go to the Planning Commission for a conditional use permit. Council Member Broadhead expressed his concern for fire safety with a three story building. Mr. Marker said the building would have to meet development standards, including fire standards.

City Manager Reeves

City Manager Reeves said the Triple A award ceremony will be held next week. Invitations have been placed in the Council boxes and the press will be attending.

City Manager Report, continued:

The 400 West drainage project is doing well, and work will be continued while school is out this Thursday and Friday. The sidewalk will be replaced and the old irrigation line taken out.

CDBG has block grant opportunities, based on the median level income of citizens. Surveys were done away with before for these grants, but have been brought back. One of the projects on the City list is a storm drain master plan. A community wide survey can be done to see if Santaquin would qualify for a grant. The survey would involve knocking on doors and having utility customers answer a few questions. Mr. Reeves asked if the Council members would be willing to help with the survey. He said if everyone participated there would not be many homes each. He indicated there would be about 240 homes contacted.

Mr. Reeves gave a presentation regarding a city in Virginia which used aerial photos from a movie crew to create a brochure, and a city which did a 5000 person 'lip dub' to advertise their community. He said Santaquin needed to better engage businesses, and reviewed the grocery store plans. The store would like to purchase some additional property in the area to complete their needs. Mr. Reeves introduced the idea of having a park or monument on the corner of 400 East and Main as an entrance to the shopping center. He suggested naming the park in honor of the property owner, and engaging the community's talents and interest to 'make things happen'.

Stephen Olson, a grandson of the property owner, said he was making an unofficial statement, but he felt it might be a good option, and those family members who were making the decision might be inspired and convinced to sell the property now. He said it would come down to communication and the right approach. After some discussion on using the park as a community builder, community funded and done with eagle projects, selling bricks, etc., Council consensus held that the Mayor and staff invite the Olson family to discuss the idea.

REPORTS BY MAYOR AND COUNCIL MEMBERS

Council Members

Council Member Broadhead asked about the Pole Canyon Road status. Asphalt is planned for Tuesday. Paving will be done to just past the gate entrance into the fishing park. It was clarified that the funding for this had already been approved.

Council Member Hathaway asked if the owner of the six foot fence on the corner of 300 West had been approached. Mr. Marker said some members of the Planning Commission planned to speak to the owner about reducing the height of the fence.

Council Member Hathaway asked if staff had talked to the Canyon area developer about a ball complex. Mr. Marker said the developer has indicated he is interested in working with the City. He would like to put in the park improvements himself and then have the City reimburse the costs. The developer believes he could put the improvements in more cheaply than the City could. Cost estimates are not available yet. Mr. Reeves said the Recreation Board had discussed this as a potential project. Mr. Marker said he is looking at a 32 acre park with a full quad, parking for a tournament size crowd, enough green space for a soccer field, and two pavilions. Impact fees would be utilized to pay for the project.

Council Member Report, continued:

Council Member Broadhead said the City has property of its own that could be used for a ball field, and then Santaquin would not have to buy the property. There could also be light pollution for the surrounding residents in this area. Council Member Carr said he would prefer to use city property but was willing to look at all the options. Until numbers were known a decision could not really be made. Mr. Marker said there were other options for funding, and the City would not expect to fund all of the project.

Council Member Carr said discussion at the last SUMWA meeting has been in regard to the perceived conflict of interest with the Salem engineer. Currently the Association is paying about 20% of Salem's engineering costs and are not sure what they are receiving for their money. They would like a report on what the engineer is doing for SUMWA. Council Member Broadhead suggested they could look at a retired engineer, or send out an RFP when they had a project.

SUMWA also had an extensive discussion on what the Association's current purpose was. It was formed to deal with Central Utah Water and Strawberry Water, to purchase water and move it to cities in need of it. SUMWA has asked that the City Council put together three to five issues that SUMWA can help the City with in the future. Council Member Carr said he informed SUMWA if they were going to become sewer oriented, Santaquin would want out.

Council Member Carr said the feedback he has received on recycling so far has been positive. Some respondents have indicated they are happy to be able to opt out. Mr. Reeves said the November newsletter will give information on the opt-out period. On October 23, the seniors at the senior center lunch will also be given the information.

EXECUTIVE SESSION (May be called to discuss the character, professional competence, or physical or mental health of an individual)

No executive session was held.

EXECUTIVE SESSION (May be called to discuss the pending or reasonably imminent litigation, and/or purchase, exchange, or lease of real property)

No executive session was held.

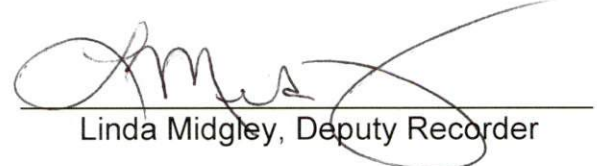
ADJOURNMENT

At 7:58 p.m. Council Member Carr moved to adjourn. Council Member Broadhead seconded the motion. The vote to adjourn was unanimous.

Approved on November 5, 2014.



Kirk Hunsaker, Mayor



Linda Midgley, Deputy Recorder

October 1, 2014



Norm Beagley, P.E.
Santaquin City Engineer
275 West Main Street
Santaquin, Utah 84655
nbeagley@santaquin.org

Re: West Santaquin CDA Project
Geotechnical Study Report

Dear Mr. Beagley,

At your request, we are submitting herewith our proposal to provide a Geotechnical Study Report for the West Santaquin CDA Project. RB&G Engineering has in-house all specialized equipment, including geotechnical drill rigs and a geotechnical testing laboratory, along with geotechnical engineers and technicians to complete the work. It is our understanding that Santaquin City will provide a backhoe and/or trackhoe with operator to excavate and backfill the test pits. The detailed cost proposal submitted herewith does not include costs for the trackhoe and operator.

We understand that the project covers approximately 200 acres and that the reports will include the following:

TASK 1 – Design Criteria for Roads

The plan is to extend Summit Ridge Parkway from Mountain View Drive to Highway 6 for a distance of approximately 1.3 miles. We propose to place test holes at about 500 foot spacing along the proposed alignment to define the characteristics of the subsurface soils. We propose to excavate 10 test pits to depths of 10 to 12 feet and to drill 4 borings to estimated depths of 50 feet, with two of the borings located through potential cut areas and two of the borings to be located through embankment and structure areas. It is anticipated that laboratory testing will include 30 classification, 3 proctors and 3 CBR tests. Upon completion of the field and laboratory investigations, analyses will be performed to determine appropriate pavement sections for the anticipated traffic loads, and a report will be prepared summarizing the results and providing recommendations for roadway design.

TASK 2 – Analysis of Loading and Embankments

We understand that the proposed roadway alignment will cross an existing drainage which will require embankments and either culverts or a bridge structure to pass approximately 400 cfs during flood events. Two of the borings included in Task 1 will be utilized to evaluate embankment settlement and stability as well as foundation support for structures. We have included 4 consolidation tests and 2 direct shear tests in this task to obtain data for analyses. Upon completion of the analyses, a report will be prepared summarizing the results and providing recommendations for embankment and structure foundation design.

TASK 3 – Load Bearing Data in Business Park

We propose to excavate 4 test pits in the future buildable areas to depths of 10 to 14 feet and drill 1 boring to a depth of about 50 feet to evaluate the characteristics of the subsurface soils in these areas. The test boring will be used to evaluate Site Class and the seismic setting. We anticipate laboratory testing to include 9 classification, 4 unconfined compressive strength, and 2 consolidation tests. Analysis will be performed and a report will be prepared summarizing the results and providing recommendations for foundations, utilities, roadways, etc.

TASK 4 – Infiltration Testing

We understand that a series of recharge ponds are contemplated through the bottom of the drainage channel. Three test pits will be excavated to evaluate subsurface soil conditions and use of native materials for construction of small embankments. In addition, 2 infiltration tests will be performed in each test pit to evaluate the permeability rate of the subsurface soils.

TASK 5 – Slope Stability Analyses

We understand that the proposed roadway alignment will cut through an existing hillside. Two of the borings included in Task 1 will be utilized to evaluate slope stability. We have included 4 unconsolidated undrained triaxial shear tests and 2 direct shear tests in this task to obtain data for analyses. Upon completion of the analyses, a report will be prepared summarizing the results and providing recommendations for hillside cut and embankment slopes. It is anticipated that stability analyses will be performed for two to three cross sections.

A spread sheet showing anticipated hours, costs and duration is included herewith. It will be noted from the spread sheet that a total cost of \$32,866.50 is estimated with an estimated duration of 35 days to complete the work.

Resumes of individuals proposed to complete the work are also included herewith. Brad Price, P.E. will serve as the Principal Geotechnical Engineer, Brandon Horrocks, P.E. and Jake Price, P.E. as Geotechnical Engineers, Michael Hansen, P.G. as the Geologist, and Jacob Boone as the Sr. Geotechnical Technician.

We appreciate the opportunity of submitting this proposal to you and look forward to assisting Santaquin City with development of this project. If there are any questions regarding the information contained herein, please call.

If there are any questions regarding the information contained herein, please call.

Sincerely,

RB&G ENGINEERING, INC.



Bradford E. Price, P.E.
bep/jal

WEST SANTAQUIN CDA - GEOTECHNICAL STUDY																			Scope
			Princ. Geotech. Eng.	Geotech. Engineer	Sr. Geotech Technician	Geologist	CAD Draftsman	Clerical	Drill Rig	Mileage	Class.	UU	Consol.	Direct Shear	Proctor	CBR	Cost	Duration (Days)	
		Rate	\$ 145.00	\$ 90.00	\$ 85.00	\$ 100.00	\$ 60.00	\$ 57.00	\$ 175.00	\$ 0.55	\$ 50.00	\$ 50.00	\$ 85.00	\$ 250.00	\$ 100.00	\$ 100.00			
TASK 1 PROVIDE DESIGN CRITERIA FOR ROADS																			
1a	On site meeting		3		3					50							\$ 717.50	1	
1b,1c,1f	Field & Lab Investigation		2		14	45			45	350	30				3	3	\$ 16,147.50	5	Excavate 10 test pits to 10 to 12 feet along roadway alignment & drill 4 borings to est. 50 feet w/2 thru cut area & 2 thru embankment area. Assumes City to provide trackhoe.
1d, 1e	Analyses		2	8													\$ 1,010.00	5	
1g	Report: Recommendations		4		2		6	4									\$ 1,338.00	1	
																	\$ 17,875.00	12	
TASK 2 ANALYSIS OF LOADING & EMBANKMENT																			
2a	Field & Lab Investigation			2								4	4	2			\$ 1,220.00	5	Borings Completed as part of Task 1
2b-2d	Analyses		2	12													\$ 1,370.00	2	
2e	Report: Recommendations		4				2	4									\$ 928.00	1	
																	\$ 3,518.00	8	
TASK 3 LOAD BEARING DATA IN BUSINESS PARK																			
3a,3b,3d	Field & Lab Investigation				4	10			10	50	9	4	2				\$ 3,937.50	5	Excavate 2 test pits to 10 to 12 feet & drill 1 boring to est. 50 feet. Assumes City to provide trackhoe.
3c,3e	Analyses & Report		6	4	1		2	4									\$ 1,663.00	2	
																	\$ 5,600.50	7	
TASK 4 INFILTRATION TESTING																			
4a,4b,4c,4e	Field & Lab Investigation				10					100	6						\$ 1,205.00	2	Excavate 3 test pits to 10 to 12 feet. Assumes City to provide trackhoe. Perform permeability tests. Assume 2 tests/pit.
4f	Report: Recommendations		2	8			2	2									\$ 1,244.00	2	
																	\$ 2,449.00	4	
TASK 5 SLOPE STABILITY ANALYSES																			
5a	Stability Analyses		2	16								4		2			\$ 2,430.00	3	Assume evaluating slope stability at 2 to 3 locations thru cut areas.
5b	Report: Recommendations		4	2			2	2									\$ 994.00	1	
																	\$ 3,424.00	4	
GRAND TOTAL																	\$ 32,866.50	35	

BRADFORD E. PRICE, PE

*President, Principal Geotechnical Engineer
Professional Engineer*

RB&G
ENGINEERING, INC.



Mr. Price is a proven problem solver in the field of geotechnical engineering. He has been involved with geotechnical investigations on a wide variety of projects from commercial, industrial and private buildings to bridges, roads, and airports for over 35 years. His responsibilities in this area have ranged from supervision of the subsurface exploration operations and laboratory analysis of field data, through the preparation of the final report and recommendations, to geotechnical construction-phase services. Mr. Price worked closely with Dr. Ralph Rollins for 20 years and has served as principal-in-charge of all geotechnical engineering projects since 1998.

EXECUTIVE PROFILE

Mr. Price is the president of RB&G Engineering, Inc. and is the principal in charge of the geotechnical division. He has participated in over 2000 site investigations for federal, municipal and private clients, and has managed projects involving construction for airports, highways, interchanges, and dams throughout the Intermountain West. These projects include commercial, military and industrial facilities and structures, including work in foundations, stability analysis, seismic evaluations, and geotechnical design.

Under Brad's supervision, the materials laboratory is certified yearly by UDOT and AASHTO, providing confidence of quality control with each test. Mr. Price has served as principal-in-charge for testing services at the Salt Lake City International Airport, Tooele Municipal Airport, and the South Valley Regional Airport for over 15 years. In addition, Brad serves as a materials engineer on an as-needed basis for the Department of Airports. Mr. Price has also participated on several independent review boards for the Central Utah Water Conservancy District.

PROFESSIONAL EXPERIENCE

Mr. Price has served as the project manager for all airport assignments performed by RB&G ENGINEERING, INC. for the past 24 years. These projects have included the Salt Lake City International Airport, Tooele Valley Airport, South Valley Regional Airport (Salt Lake City Municipal Airport No. 2), Ogden-Hinckley Municipal Airport, Provo City Municipal Airport, Brigham City Airport, Manti-Ephraim Airport, Carbon County Airport, Panguitch Airport, Nephi Airport, Blanding Airport, Delta Municipal Airport, Hurricane Airport, Mount Pleasant Airport, St. George City Airport, and the Spanish Fork-Springville City Airport.

Recent geotechnical investigations for commercial, educational, and industrial structures include the following: The multi-story Brigham Young University Life Science Center, Utah Valley University Library, Utah Valley University Student Life and Wellness Building and Parking Structure (multi-story), Scheels sporting goods store, IKEA home furnishings store, multiple Wal-Mart stores in the Intermountain West, Salt Lake City 114th South Commercial Development, Energy West Mining Coal-Blending Facility, and structures at Pacific States Cast Iron Pipe Company.

Other geotechnical projects include Legacy Highway, I-15 NOW (New Ogden Weber Expansion Design-Build) project, Mountain View Corridor in Salt Lake and Utah Counties, I-15 CORE (Utah County Corridor Expansion), Shepard Lane Interchange Liquefaction Mitigation, I-80 from State Street to 1300 East, Hurricane Cliffs Hydropower Storage Projects, I-80 and Accelerated Bridge Replacement Design-Build. Brad's project experience also includes pavement evaluation and design; design of dams and dam safety studies; design of MSE walls; bridge abutment design; environmental assessment studies; and foundation design for airports, buildings, bridges, and other structures.

Years of Experience: 38

Education:

- B.S. in Civil Engineering, Brigham Young University, 1976
- Graduate Studies in Geotechnical Engineering

Professional Registration:

- Professional Engineer: UT 162291
- Professional Engineer: ID #9383

Affiliations:

- American Society of Civil Engineers
- American Society of Civil Engineers Geotechnical Group, Utah Section, Group Chair, 1994

Certifications:

- Utah Water Well Driller License
- Radiation Safety Training and Management

Areas of Expertise:

- Project Management
- Geotechnical Design
- Foundation Design
- Bridge Abutment Design
- Pavement Evaluation
- Seismic Evaluation
- Design Study Report
- Construction Phasing Plans
- Quality Assurance/Quality Control

JACOB S. PRICE, PE

*Geotechnical Engineer
Professional Engineer*

Mr. Price is currently working at RB&G Engineering as a geotechnical/civil engineer and has also participated in environmental assessments for the company. His primary functions include geotechnical design, field management for geotechnical investigations, and quality assurance inspection services during construction. Jake recently completed his Master's Degree work at BYU, which included a thesis studying the effects of MSE walls on the lateral resistance of adjacent pile foundations. He worked as a materials technician and inspector for RB&G Engineering during the summer months while attending college, including two construction seasons at the Salt Lake City International Airport. He has also assisted in field manager duties at the Airport.



PROFESSIONAL EXPERIENCE

Salt Lake City International Airport

Field manager. Performed geotechnical investigations, inspections, and materials testing for numerous roadway and structure projects for the Salt Lake Department of Airports.

Mountain View Corridor

Monitored PDA testing for pile driving at two bridges and set the driving criteria for each abutment, monitored wall stability and analyzed settlement of embankments and provided pavement recommendations

I-15 CORE (Utah County Corridor Expansion)

Provided geotechnical oversight and field engineer services for baseline geotechnical investigations of 33 bridge structures.

Other projects include Legacy Parkway, US-191 Monticello Main Street, US-491/US-191 to 200 North, Security Metrics Office Building, United States Army Camp Williams MPMG Range, and Manderfield Reservoir Sink Hole Repair (design and oversight of repairs)

Years of Experience: 6

Education:

- M.S. in Civil Engineering, Brigham Young University, December 2012
- B.S. in Mechanical Engineering, Utah State University, 2006

Professional Registration:

- Professional Engineer: UT 7897748-2202

Areas of Expertise:

- Soil Mechanics
- Foundation Engineering
- Pavement Evaluation
- Seismic Evaluation
- Geotechnical Reports
- Slope Stability

BRANDON D. HORROCKS, PE

*Geotechnical Engineer
Professional Engineer*

Mr. Horrocks is a geotechnical engineer at RB&G Engineering. Prior to earning his college degree, he worked as a materials technician and inspector for the company. His primary assignment initially was field testing and inspection services at the Salt Lake City International Airport; and he spent one year as the field manager for Airport materials testing projects. He is extremely knowledgeable in all soil, concrete and asphalt testing procedures, construction considerations, and site observations.



PROFESSIONAL EXPERIENCE

Salt Lake City International Airport

Field manager, geotechnical studies for the current Deicing Pad 34L project.

I- 15 NOW (New Ogden Weber Expansion)

Assisted with the geotechnical design for fourteen bridge structures, retaining walls, and roadway and pavement for this Utah Department of Transportation project.

Legacy Parkway

Geotechnical construction oversight and design, and quality assurance inspection services.

Other experience includes on-site engineering for the dam construction of Jackson Flat Water Storage Supply Facility, construction management at the Upper Enterprise Dam Reconstruction; analysis and design for Interstate 80 (State Street to 1300 East); and geotechnical studies for Moab Overlook Road.

Years of Experience: 6

Education:

- B.S. in Civil Engineering, University of Utah, 2006

Professional Registration:

- Professional Engineer: UT 7714557-2202

Areas of Expertise:

- Geotechnical Design
- Quality Assurance/Quality Control
- Geotechnical Construction Oversight and Management

MICHAEL N. HANSEN, PG

*Senior Geologist, Drilling Supervisor
Professional Geologist*

Mr. Hansen has been with RB&G Engineering since 1996 and has been a practicing geologist since 1987 where he began his career in Calgary, Canada. His duties include supervision of drilling, logging of test borings, geological hazards, fault-related surface rupture hazards, seismic evaluations, alternative waste water disposal studies and environmental site assessments. Michael was the project geologist for the reconstruction and improvements on Interstate 15 New Ogden Weber (NOW) Expansion Project and Legacy Parkway in northern Utah. He was also the project geologist for 13 bridges on the I-15 corridor in Utah County. Responsibilities included preparation of geologic assessments and field investigations.

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PROFESSIONAL EXPERIENCE

Michael has extensive experience in all aspects of engineering geology. Areas of study include one year of civil engineering, soil mechanics, hydrology, hydro-geology, strength of materials, fluid mechanics, stratigraphy and sedimentology, environmental geology, petrology, structural geology, and optical mineralogy. His 20-plus years of working in Utah has given him a broad understanding of the diverse geological conditions that exist in the state, particularly along the Wasatch Front urban corridor where he has performed numerous geologic studies.

Michael was involved in completed reservoir projects such as the Sand Hollow Reservoir near St. George, Utah, and the Blue Diamond Pumped Storage Project (Hydroelectric) near Las Vegas, Nevada. He has also supervised much of the drilling and cone penetration testing for the Salt Lake City International Airport Improvement Program, including a study of potential surface rupture hazards. Other geologic hazard studies have included the Willard City Debris Flow Hazard study, and geologic and surface rupture hazards for the Alpine Brook Townhomes, Eagles View and McCord Subdivision in Provo. Phase I Environmental Site Assessments projects have included Lehi Theater property, Hubble Engineering Office property in Lehi, and Anderson Lumber properties in Manti and Siquard.

Other projects include Interstate 15, Cherry Hill Interchange and Liquefaction Mitigation in Farmington, University Parkway Interchange in Utah County, and US-6 Curve Flattening and Passing Lanes in Spanish Fork Canyon, Utah. Dam Safety Studies include Millsite, White Pine, Rocky Ford, and Forsyth, with a comprehensive seismic evaluation for Quail Creek Reservoir in southern Utah.

Years of Experience: 24

Education:

- B.S. in Engineering Geology, Brigham Young University, 1987

Professional Registration:

- Professional Engineer: UT 5549531-2250

Areas of Expertise:

- Wasatch Front Geological Conditions
- Seismic Evaluation
- Geologic/Geotechnical Reports
- Retaining Walls
- Environmental Geology
- Structural Geology

JACOB BOONE

Materials Laboratory Manager

Mr. Boone has been with RB&G for 20 years and is currently serving as the materials laboratory manager. He also directs the field laboratory operations and is responsible for the laboratory quality system program. He has served as the laboratory manager for materials testing projects at the Salt Lake City International Airport for 13 years during 1997 to 2012. He also oversees technician training and the quality system program for the materials laboratory which has been AASHTO certified since 1994.

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EXPERIENCE

Jacob is well versed in QA/QC operations and is often asked to provide valuable input regarding testing operations to clients. Mr. Boone has performed quality assurance and quality control testing (QA/QC) for the following projects: Provo Municipal Airport, Nephi Municipal Airport, Central Utah Water Conservancy District 800 North Waterline, and Salt Lake City International Airport (SLCIA). Significant projects at the Salt Lake City International Airport include Deicing Pad 34L, West Apron Paving, Concourse Apron Rehabilitation, Deicing Pad Taxiway L Phase I and Phase II, Taxiway H Reconstruction, Landside Reconfiguration West and East, Taxiway S Reconstruction, FAA Tower, Asphalt Overlay Program, and New Cross Bar Roadway Bridges. He is also knowledgeable in all security and safety procedures required by the Salt Lake City Department of Airports. He closely monitors employee badging requirements and protocols to ensure a high level of security while on the job.

He has also performed construction testing/inspection services at the Sand Hollow Dam, Rocky Ford Dam, Upper Enterprise Dam, Upper Huntington Dam, and Diamond Fork projects where his assignments included sampling and testing of earthfill and filter materials. Jacob has recently supervised the materials testing for the Legacy Highway and I-15 NOW projects in the Salt Lake City and Ogden areas.

Years of Experience: 20

Education:

- A.S., College of Eastern Utah, 1994.

Certifications:

- ACI Concrete Construction Special Inspector
- ACI Concrete Field Testing Technician - Grade 1
- ICBO Structural Masonry Special Inspector
- NICET Level 3
- Soil Evaluation and Percolation Testing
- WAQTC Aggregate Testing Technician (AgTT)
- WAQTC Asphalt Testing Technician (AsTT)
- WAQTC Concrete Strength Testing Technician (CSTT)
- WAQTC Concrete Testing Technician (CTT)
- WAQTC Embankment/Density Testing Technician (EbTT/DTT)
- WAQTC Laboratory Testing Technician (LbTT)
- RBG Supervising Soils Technician
- RBG Supervising Concrete Technician
- RBG Supervising Asphalt Technician
- Radiation Safety and Nuclear Testing Equipment

JARED RUSBY

CADD/Drafting Supervisor

Mr. Rusby has been with RB&G Engineering, Inc. since 1992 and is supervisor of the drafting department. He has worked with a variety of engineering drawings ranging from subdivision plats and commercial facilities to highways, bridge structures, and drainage systems. He is proficient in the use of computer-aided drafting systems such as MicroStation, Intergraph InRoads, and AutoCAD. He is also skilled in Eagle Point System Civil Programs, Roadcalc, AutoTurn, and Pentax.

PROJECT EXPERIENCE

Salt Lake County 3000 East Street Reconstruction
Salt Lake County 1300 East Street Reconstruction
Salt Lake City 900 South Reconstruction
Salt Lake City International Airport
South Temple Street Improvements
Salt Lake City Public Utilities Storm Drains
City of Orem 20 mg Water Storage Reservoir
Salt Lake County 2900 East and Canyon View Drive
Sand Hollow Dam
Upper Enterprise Dam
Jackson Flat Reservoir

Salt Lake City 500 East
West Valley City 4100 South Widening
Jordan River Trailhead
Colorado River Bridge
Nebo Loop Scenic Byway
Nature's Herbs Alta/ACSM Survey
Majestic Meadows Alta/ACSM Survey
Majestic Oaks ACSM Survey

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Years of Experience: 20

Education:

- Drafting and Design Technology, Utah Valley State College, Orem, Utah, 1990-1992

Certifications

- NICET Level IV