

COUNCIL MINUTES
FEBRUARY 25, 2015

The City Council held a meeting on Wednesday, February 25, 2015, at 5:30 p.m., in the Council Chambers, 10 North Main Street, Cedar City, Utah.

MEMBERS PRESENT: Mayor Maile Wilson; Councilmembers: Ron Adams; John Black; Don Marchant; Fred Rowley.

EXCUSED: Councilmember Paul Cozzens.

STAFF PRESENT: City Manager Rick Holman; City Attorney Paul Bittmenn; City Engineer Kit Wareham; City Recorder, Renon Savage; Finance Director Jason Norris; Police Chief Robert D. Allinson; Fire Chief Mike Phillips; Economic Development Director Danny Stewart; Project Engineer Jonathan Stathis; Water Superintendent Robbie Mitchell; Pretreatment Coordinator Peter Sury.

OTHERS PRESENT: Gaylord Robb, Matt Munson, Damon Esauce, Landon Floyd, Dave Thomas, Ben Pixton, Shawna Crane, David Luangrath, Michelle Judd, Jessica Lawson, Brandi Lawson, Bryce Davis, Kyle Wood, Kyllass Flaragan, James Lawson, George Bontus, Jessica Sury, Jeff Lowe, Kendrick Smith, Tom Jett.

CALL TO ORDER: Pastor Pete of Cedar City Foursquare Church gave the opening prayer; the pledge of allegiance was led by Councilmember Rowley.

AGENDA ORDER APPROVAL: Item #6 will be removed from this agenda, and will come back to the next meeting.

Councilmember Rowley moved to approve the agenda order removing item #6; second by Councilmember Black; vote unanimous.

ADMINISTRATION AGENDA – MAYOR AND COUNCIL BUSINESS; STAFF

COMMENTS: ■Marchant – comment to the Street Department on a great job they did in removing the snow from the streets. ■Business update – Southern Utah Sports Academy: Matt Munson- I am an attorney in town and belong to a group of 5 local and 1 from St. George that decided a year ago that we wanted to build a sports facility to facilitate a need in Cedar City to have a place for kids to go and be active and participate in various athletic events/dance and the like. It turned out much better than any of us could have imagined. We are having an open house Saturday at 2:00 p.m. we felt it important that City and County officials are invited. It is located north of Car Quest west off Hwy 56 there is an industrial complex, right at Car Quest you will run into it. There is traffic most nights of the week. The interest in pickle ball is amazing. We built this for basketball for Southern Utah Hoops, we go to Vegas, Salt Lake and St. George and we are always asked why we can't go to Cedar City. We have used Paiute Gym and the Armory to have the tournament here the past two years. We felt that this could happen for indoor soccer, volleyball and basketball. There are several dance groups taking

advantage as well. There are two courts next to each other with a net between or one large one for tournaments. We have a hardwood floor. We looked at Sports Court, but there is a lot of difference, hard wood is the gold standard. We are proud and excited; we have teams come up every weekend with different events. We are excited to have dodgeball whenever we want also. We want it to be a fun place. We have open gym several nights a week as well. You cannot dunk the basketball; we want to keep the facility nice. The ages ranges from K-high school and beyond. It will be a boom for the community. Rowley – what are the range of charges to participate? Matt – there is a pas for open gym, it is around \$4 per night. Primarily the facility will be run through different programs for volleyball and basketball. It is amazing what a good coach can do, we compete with people from all over. Black – kudos to you and the group for what you have done, thank you for making it happen. Matt – we hope it is not a money loser for us. Marchant – the open house is at 2:00 p.m. then there is a \$10 family cost? Matt – that is a fund raiser for the women’s crisis center, it is a movie. Adams – have you explored the parking for the large events? Matt – we have quite a bit of parking to the west and in front, the property owner to the South has allowed us to use the parking as well as Watson Engineering. We know at some time we may have to acquire more property. Adams – I was there Saturday and you couldn’t get down the street. Matt – we are aware, there has been a lot of good will and we hope to continue until we can acquire additional land. ■Michelle Judd, intern has a presentation for us. Rick – Michelle is working with us, one of the projects is a web page with Pete Sury to help us communicate pretreatment efforts for businesses and industries can get more information about the pretreatment program. Michelle – we have been working on this for a few weeks. We hope to bridge a gap. When a business receives a letter they can go to the website and get forms. Frequently asked questions, these are questions Pete receives often, and they have links to an answer. You have grease, sand and oil interceptors where it gives the standard. Household wastewater, the top is about pretreatment, the bottom is food, automotive, dental. Any household user can see what products are hazardous, where you can drop off hazardous material, etc. That is what the web site was for, to give information to individuals and businesses. Rowley – this will be very helpful, thank you for putting it together. Mayor – is this linked to the doing business? Danny – yes. Marchant – it seems to be quite user friendly, I am amazed. Rowley – does the dental program include the new program? Pete Sury – they haven’t come out yet, but it will link you to the EPA website. It is educational information. Something I would like to say in addition is moving forward, future changes, bio solids information and announcements and a better definition of the bio solids. Other things we can work on are the latest regulatory news for Cedar City Pretreatment Program so people can see how it may affect their business. Also, narrative language explaining the Interlocal Agreement between Cedar City, Enoch City and Iron County will be on there as well. I will work with those entities to have a page that links together. It is necessary for Cedar but for their websites as well. Call or email me with any other thoughts or ideas. Black – can this be put into the Mayors Newsletter to let people know this information is available? Pete – I am constantly emailing and explaining this information to people. Rowley – is there a problem with people flushing outdated pharmaceuticals. The PD has that drop in their office. Chief – it is well used. Pete – there is a drug take back program through Police departments. There will be a health care section as well. ■Mayor – we told you we

would be visiting local businesses, we had another visit today, we went to GenPak and toured their west building and it was fascinating to see from Panda Express containers to 32 oz. McDonald cups. Rowley – I thought the east facility was operational. Rick – it is operating, one piece of equipment is down for repair. That area of the business are containers for fresh produce, they take them into the field and stack 4-5 heads of lettuce in. They employ 220 and it is a 24/7 operation. They are sending 7 semi loads of material out per day. Rowley – if you go to another factory let me know. Mayor – we try and go out monthly or twice a month. They recycle everything that comes through.

PUBLIC COMMENTS: ■ Dave Thomas, Sales Manager of Boulevard – we are doing amazing. We have done amazing numbers, when the snow comes we are very busy. The town has supported our store; we have blown our \$4 million goal. Christensen's is hoping to open in May and have their grand opening with our one year anniversary. Marchant – what about rumors of restaurants? Dave – we are working on something, but have no commitments. We are starting on our next phase. We want to get the right fit for the community. Demographics makes things work for restaurants and it is a challenge for us.

CONSENT AGENDA: (1) APPROVAL OF MINUTES DATED FEBRUARY 4 & 11, 2015; (2) APPROVAL OF BILLS DATED FEBRUARY 23, 2015:

Councilmember Black moved to approve the consent agenda as written above; second by Councilmember Marchant; vote unanimous.

CONSIDER RELEASING 10 ACRE FEET OF UNDERGROUND WATER RIGHTS FROM A RIGHT OF FIRST REFUSAL AGREEMENT BETWEEN CEDAR CITY AND THE LEONARD BULLOCH FAMILY TRUST - PAUL BITTMENN/GAIL DAVIS:

Paul – I talked with Gail about identifying what acre feet and she is working on that with her real estate agent. You can table it or you can approve the idea and give staff parameters, such as releasing younger priority dates. Black – is it surface or underground. Paul – some are in Coal Creek. We have asked them to identify what they are requesting. Rowley – what are better? Kit – old, both surface and underground.

Councilmember Black moved to table this item for two weeks; second by Councilmember Rowley; vote unanimous.

PUBLIC HEARING TO CONSIDER THE SPONSORSHIP OF UNPLUGGED CEDAR CITY:

Mayor Wilson – this would be a \$2,500 sponsorship to Unplugged Cedar City. The public hearing was opened. Tyler Swenegan, SWU Public Health Department, I am trying to push Cedar City Unplugged. I work with Liz Okeson at the Rec Center to get this started again. I think we have everything set. It is a good way for businesses to get people into their store and to have kids to get away from video games. Black – what is the time frame? Mayor – it was Memorial to Labor Day last year. Marchant – it is a great program. Rowley – how are the sponsorships? Tyler – 90% of the businesses that participated last year are on board. We are supposed to have 100 badges, it represents an activity. We need 100 brag badges sponsored; this money goes towards that if a business cannot include that in their budget, such as Police and Fire

departments. Our goal is to have 100, there 150 brag badges to choose from. I am still trying to get the licensing agreement done, it will allow us to get 100. I will go out and call on the other businesses. Mayor – the money we are contributing will be for departments in the City, such as Police and Fire. The hearing closed.

Councilmember Rowley moved to approve the sponsorship of Unplugged Cedar City in the amount of \$2,500; second by Councilmember Adams; vote unanimous.

CONSIDER BIDS FOR THE 400 NORTH/I-15 WATERLINE REPLACEMENT PROJECT – JONATHAN STATHIS: Jonathan – you requested more information last week; I put that in the packet concerning the lining. We have representatives from Insituform and from Precision Pipeline.

George Bontus of Insituform Technologies. We do cured in place lining and install a liner without digging. We have a wet out facility here in Cedar City. We manufacture our own material, we will build a tube and it is shipped to the wet out facilities. James Lawson is the manager here. We do all wet out for Western US in this facility, they have been here for 4 years. We did about 1 million feet last year. We will have a crew come in and do the work if we are successful. See Exhibit “A” attached. There are 4 classes of liners. We are proposing to use class 4 materials. It is used throughout the world. We are talking a pressure pipe, most is in gravity sewers. We have to have certifications for potable water. It is a resin system. The fiberglass gives it the strength, we push it in with water pressure, heat the water. Eastern Canada does more of this than any area. Rowley – what is our pressure? Robbie – 120 lbs. we will put a 10” diameter, it is 6.5 millimeter thickness. Rowley – what is the longest unjointed piece you can do? George – it depends on the diameter, we have done 1,000 feet. Rowley – what is our length? Jonathan – 300 feet. George – there is a cleaning process that takes a day, a day to install and a day to pressure test. It is installed with a pressurized vessel. It is flexible and then hardens in a long tube. Black – when you put the sleeve in and there is a little bit of lip, does it protrude into the pipe, does it transition? George – we put on a sizing ring at the end and attach a fitting to the pipe. Marchant – how long to make the installation? George – the cleaning will take a day, a sub-contractor will clean it. The lining will be done in a day. We come back the next day to put the fitting on and test. It will be 3-4 days. Jonathan – it takes 6-8 weeks to get the material. The entire process is about 2 months. George – we need a good measurement on the pipe so we get a smooth process. Jonathan – they can start when they get their bonding in place; it usually takes 2-3 weeks. Manager – it takes 8 weeks to get the resin. Jonathan – the contract time is 75 days, it is the same with either option. George – that is not uncommon, we don’t have masses of the different sizes in stock. Rowley – if the pipe changes sizes in the 300 feet do you manufacture that? George – it is custom, it overlaps so it can expand. If you have severe changes you can get wrinkles, but you won’t get wrinkles in the glass fiber, we would not change the diameter. Black – worst case scenario, if it fails in 3 years? George – you could reline it, remove host pipe. We have not had a failure. Jonathan – there is a 5 year warranty on the contract. Rowley – if we have a shorter warranty would it cost us less? George – I can’t tell you how the numbers were put together. It is the same product. If you want to tour our facility, get a hold of James.

Landon Floyd, President of Precision Pipeline – we are doing things the traditional way, steel casing, direction drill under I-15 with a reamer head attaching to a 20” steel casing pipe and welding each 40 foot pipe until we get to the end. We will push a ductile iron pipe through the casing. The steel casing bore is warranty for 20 years. You can put future conduits in and have room to upsize. If there was a problem you pull the pipe and repair it. Rowley – does it set on the steel pipe? Landon – it is suspended on spacers. If this was a typical road I think it would be a great idea, with I-15 there is no room for mistakes. What if you have a shear problem? Rowley – what kind of things would you have to dodge? Nothing, it is clean. Black – I called Scott Snow, he is good with either. Rowley – what is the price difference? \$30,000. Adams – did you get feedback from Jim McConnell? Jonathan – he doesn’t care either way, it is up to the City. I talked with Scott Snow. Rowley – what caused the corroding? Robbie – the pipe is cast, it sheared, could have been from ground movement, it is perfect shear, it is intact, it sheared, but did not settle. You don’t know with cast iron what it will do. Rowley – the steel casing would not be subject to corrosion? Rob – not in a casing. Rowley – do we have other things that need to run across the freeway that a duct would benefit us such as fiber optics? Rick – when Interlinx contacted us one route they use was down Industrial Road. We have 200 North and Industrial Road I don’t know if there would be additional need to run fiber. Rowley – upsizing, do you have any interest? Robbie – the master plan only shows a 10” line, if we did it would only be 12” and we could upsize down Industrial to take pressure off that. During the winter the water runs east to west, when we have higher pressure it is from west to east, depends on the time of year.

Marchant – what kinds of things take place is there a shear factor? George – the pipes that shear are metallic, we have not seen shears with the plastic, and the liners will live through the shear. Marchant – is there more flexibility? George – Yes, and it is smooth on the inside. You will find with a lined pipe you increase the capacity because of the smooth surface.

Robbie – I believe this will work, everyone prefers using this type of material now. It has structural strength plus it is inside the pipe. Rowley – as our infrastructure decays, it may be a good test place for line replacement.

Black – there is still a lot of unknowns, new approach and style, as well as unknowns on growth. The fact is going under the interstate concerns me. \$30,000 is a lot of money, but it is worth it to me.

Marchant – John and I talked about this earlier today, I didn’t have the background knowledge that you presented and I find it quite intriguing. It answered questions for me such as the capability of the product. I recognize the smooth nature of the pipe there is less friction. I am confident we would be safe either way and have no objections to giving this a try. They have proved themselves in many areas. I feel secure.

Councilmember Rowley moved to accept the bid from Insituform in the amount of \$141,288; second by Councilmember Adams; vote 3 yea, 1 nay - John Black.

CONSIDER AMENDING THE CITY'S ANGLE PARKING ORDINANCE:

This item was postponed until the next meeting.

CONSIDER A RESOLUTION AMENDING THE CITY'S EVENT INSURANCE REQUIREMENTS – PAUL BITTMENN:

Paul - this moved some events into categories that we don't require insurance. It is a game of risk, we take on a little more, and the exchange is we quit losing bookings at the arena. There are a lot of things we can do to eliminate risk. The City is willing to take on some risk in recreation. Rick – in talking with Larry he acknowledged he will have to be more instructive on them abiding on what he says.

Councilmember Black moved to approve the resolution amending the City's event insurance requirements; second by Councilmember Marchant; vote as follows:

AYE: 4
NAY: 0
ABSTAINED: 0

CONSIDER A RESOLUTION AMENDING THE FEE SCHEDULE FOR CEDAR RECREATION – JENNIFER WEAVER:

Paul – Jennifer put a write up in the packet, when she went through the schedule she found volleyball was off also, she wanted it to be like the softball. Volleyball said \$250 it should have been \$300. Black – She had conversation with softball, did she with volleyball? Paul – I don't remember. Black – with what we are providing, the fees are reasonable.

Councilmember Black moved to approve the resolution amending the City's fee schedule for Cedar Recreation; second by Councilmember Marchant; vote as follows:

AYE: 4
NAY: 0
ABSTAINED: 0

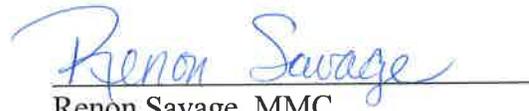
CONSIDER PAIUTE DRIVE ISSUES: (A) ROAD DEDICATION; (B) AGREEMENT WITH PAIUTE TRIBE; (C) AGREEMENT WITH LDS CHURCH; AND (D) RIGHT-OF-WAY APPLICATION:

Paul – last week the concern was future need for City utilities for water and sewer, and talked about locating them on the east side of the road, the Tribe said they would help the City get those if they are to benefit the Tribe, if it was for another reason they would help go through the BIA process. Rowley – the entire length is tribal property that is inaccessible? Kit – there are no utilities on the west side, but not a lot of ground that would need utilities. There is a small piece of property that would serve off the same as the tribe utilities. Paul – the Tribe has current water and sewer service to serve what they have. They did not feel there was a need to put the larger main lines in because they were not going to upsize. Kit – they say that, but they have put in a big building and a few homes in. Rowley – that

is their property and they would work with us. Is there non tribe property? Kit – no, you would just tear up new road to put it in. Paul – there is A,B, C, D. If you approve the road dedication, can you direct staff to hold that until you get deeds from everyone. The LDS Church will not give a deed until the road is complete, they will give temporary access to do the improvements.

Councilmember Rowley moved to approve items (A) through (D) in relation to Paiute Drive holding off the road dedication until the end of the project when the LDS church gives the deed; second by Councilmember Marchant; vote unanimous.

ADJOURN: Councilmember Rowley moved to adjourn at 7:02 p.m.; second by Councilmember Marchant; vote unanimous.



Renon Savage, MMC

City Recorder

Insitumain Pressure Pipe

City of Cedar City
 25 February 2015



AWWA M28 General Framework

Non-structural repairs

- Repairs that arrest the deterioration process

Semi-structural repairs

- Interactive liners with the host pipe

Structural repairs

- Independent liners

LINER CHARACTERISTICS	NON-STRUCTURAL	SEMI-STRUCTURAL		FULLY STRUCTURAL
	CLASS I	CLASS II	CLASS III	CLASS IV
INTERNAL CORROSION BARRIER	YES	YES	YES	YES
BRIDGES HOLES/GAPS AT PIPE OPERATING PRESSURE	NO	YES	YES	YES
INHERENT RING STIFFNESS	NO (depends on adhesion)	NO (depends on adhesion)	YES*	YES*
LONG-TERM INDEPENDENT PRESSURE RATING ≥ PIPE OPERATING PRESSURE	NO	NO	NO	YES
SURVIVES "BURST" FAILURE OF HOST PIPE	NO	NO	NO	YES



CIPP in Potable Water Applications

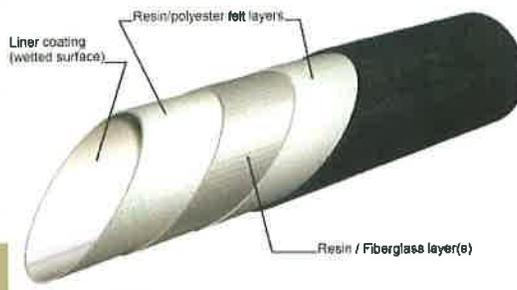
ANSI/NSF 61 Certification

- Lining products offered in potable water applications are to be third-party certified as complying with the requirements of ANSI/NSF Standard 61



Class IV Fully-Structural CIPP

- Structurally independent of host pipe for internal pressure and external loading
- Addresses the following:
 - Severe deterioration
 - Corrosion
 - Pinholes
 - Joint separation
 - Joint leaks



Class IV Fully-Structural CIPP

- CIPP liner is fully structural and **independent** of host pipe.
- Diameter ranges: 6 – 48 inches.
- Jointless, continuous pipe lining
- Materials inhibit further corrosion or internal buildup.
- Over 300,000 ft. ranging from 6” to 60” since 1998



InsituMain™ ASTM 1599 Testing

Short-Time Hydraulic Failure Pressure of Plastic Pipe
(aka Burst test)

Fully Unrestrained Liner
Specimens

150 psi (1035 kPa)
operating pressure:

- based on burst test results =
800 - 1300 psi (5515 - 8960 kPa)
- Use 600 psi for design



Class IV - Fully Structural Liner

Diameter, In	Nominal Thickness, mm
6	5.5
8	6.0
10	6.5
12	7.5
14	8.0
16	8.5
18	9.0
20	10.5
22	11.0
24	13.0
27	13.5
30	15.0
33	16.0
36	17.5

CIPP Installation

- The liner is installed utilizing an inversion process
- Liner is formed under pressure utilizing hot water or steam cures
- Lengths of 500 ft. to 800 ft. typical, diameter dependent
- Robotically reinstated service corporations
- Hydrostatic pressure testing follows lining, as required



Pre-Installation – Cleaning

Pipeline is cleaned using drag scrapers, high pressure water jetting, pigs or other similar equipment, as needed



Pre-Installation – Cleaning

- Lines are flushed during and after the scraping process to remove debris
- Following cleaning, a swabbing pig or other drying system may be used to clear out any final debris and remove any remaining water



Torpedo Launcher



Installation Equipment



InsituMain Installation



Insitumain Installation



Insitumain Installation



Temporary Service and Pipeline

