

Infrastructure Advisory Committee (IAC) Meeting Summary			January 24, 2011	
			3:00- 5:00	
			City of Bend, Fire Administration Building, Fireside Room	
Committee Chair	Frank Turek	Note taker:	Adele McAfee	
In Attendance:				
Committee Members: Andy High, Casey Roats (by telephone), Nancy Loveland, Michael Magee, Ray Auerbach, Frank Turek James Gattey (absent by prior arrangement), COB Staff: Paul Rheault, Tom Hickmann, Adele McAfee, Jeff England				
Meeting Summary				
Agenda item:	Value Engineer	Presenter:	Tom Hickmann, COB City Engineer	
Discussion:				
<p>Tom Hickmann explained the Value Engineer (VE) process with the committee. A Value Engineer could be brought in on any project and at any phase. It could also be brought in more than once. It is an expensive process so it is critical to bring in this process at the right time. A VE is a team of seasoned engineers with varied expertise that take a fresh look at the project. For example, the most junior member of the VE Surface Water team has eighteen years experience. They will look at all aspects and all materials provided to date. The team will question decisions, and question the viability of alternatives. Parameters will be set as to what the VE team will look at. Regarding the Surface Water Project, they will not start at the feasibility study, but the council approved design. They will look at pipe diameters, pipe choices, treatment options, and come back with a list of recommendations. These recommendations not always equate to a cost savings or a cost reduction. The end result would be the best value of the money being spent. The team selected for the Surface Water is RSRI (Robinson, Stafford & Rude Inc) consisting 10 to 12 members. The first phase will last one week in an intense effort. The final document of RSRI findings will be available in April. The executive summary will be brought to the IAC.</p>				
Agenda item:	CMGC (Construction Management General Contractor	Presenter:	Paul Rheault, COB Public Works Director, Tom Hickmann, COB City Engineer/Assistant PW Director	
Discussion:				
<p>The CMGC selection process has been narrowed down to two firms. The city has requested additional information because there is a significant cost difference between the two. Paul thanked committee member Ray Auerbach for his participation. This is a qualification based process which does not focus on price but the ability for the firms to do the work. There will be a decision soon and the contract will be taken to the City of Bend's Contract Review sub-committee. The costs for the CMGC are estimated 5 to 6 million. The IAC committee is familiar with the process and did not need an overview. The CMGC will work with the design engineer on constructability and this will save money.</p> <p>The CMGC will work with HDR wherever they are in design reviewing design and providing input. They will provide GPM (Guaranteed Maximum Price) at 60% design. This will set the dollars in stone which will allow city to take advantage purchasing opportunities. All aspects of the project will be put up for competitive bid.</p>				
Agenda item:	Water Reclamation Facility	Presenter:	Paul Rheault, COB Public Works Director	

Discussion:	
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Paul Rheault presented a power point presentation the Water Reclamation facility

- This facility can be called reclamation because the affluent is used. The city sends the treated affluent to the Pronghorn Golf Course.
- The current secondary treatment system is deemed "insufficient to meet future flows and loads"
- CH2MHill was hired to do the design - A Value Engineering (VE) Study utilized to review technology and potential alternatives
- Current technology is MLE. Four other options were looked at and it was decided the best for Bend was IFAS- (Integrated Fixed Filmed Activated Sludge) these technologies are biological processes to treat wastewater. IFAS is a plastic media that allows bacteria to grow and breakdown sewage. Staff and consultants visited sites where the climate was similar to Bend.
- The selection process included operations and maintenance city employees
- DEQ has renewed permit for 5 years.
- This is one of the many facilities staff would like the committee to tour.
- The secondary upgrade will include a disinfection phase. Sodium Hypo Chloride has been chosen.
- This is one of the best environmental projects in Central Oregon.
- This facility produces methane gas which is then used to heat the facility. Eventually a Cogeneration method will be used to produce electricity. Right now it is not economically feasible as cogeneration is very high maintenance.
- Currently the facility is designed for 7 million gallons per day (runs approximately 6.2 - 6.5 million gallons) it will be expanded to 11 million gallons per day, and then to 14 million gallons per day. We are at capacity in organic matter but not at volume capacity.
- The treatment plant is not ready for an economic boom. If homes were to be built on all current vacant lots the facility could not handle the additional load.
- A discussion ensued regarding capacity issues and how and why the city had made decisions in the past and legacies issue the city deals with today. Historically, there has not been an understanding of how the water sewer systems operate in a dynamic way.
- Technological upgrades will not only bring efficiencies but save on manpower as this entire plant could be operated remotely. Wastewater plants are the second most highly regulated facility There must be an employee with the highest grade certification as the responsible charge of the facility on duty at all times.
- Construction should begin in 2012
- The committee's role regarding the Water Reclamation Facility would be future expansion, and where the project is placed on prioritization list.

Agenda item:	Other Matters	Presenter:	Paul Rheault, COB Public Works Director, Tom Hickmann, COB City Engineer/Assistant PW Director
Discussion:	<p>The subject matter of upcoming meetings are the overview of the Collection , Stormwater, Transportation Systems and the CIP Budget . The goal of the meeting would be to get through the fundamental information about these systems.</p> <p>Tom Hickmann and his staff have been going through the CIP budget and Prioritization List this will be ready for the committee at the next meeting. The committee chair will be asked attend the Budget committee hearing and give the IAC consensus opinion of the CIP budget and list.</p> <p>It may be necessary to modify meeting schedule to accommodate a discussion of the GO bond. The council would like to hear from the IAC committee .</p> <p>As a community member Andy High opined he would like to see timetable on the projects. He stated that COCC has been extremely successful with this.</p> <p>The projects that most likely will be considered for the GO Bond :</p> <ul style="list-style-type: none"> • Reed Mkt corridor • Roundabout Powers & Brookwood • Empire Corridor <p>Timelines are critical. The GO Bond will be need to be put on the ballot by May. Council will need to consider a resolution at the Feb 16th council meeting.</p> <p>The council is scheduled to discuss at a televised work session on Feb 2.</p> <p>Meeting Adjourned</p>		