MONDAY, NOVEMBER 16, 2020 WORK SESSION COLLECTION SYSTEM FACILITIES PLANNING STUDY UPDATE, 6:00PM

Mayor Burge called the work session to order at 6:00 p.m.

Present: Mayor Scott Burge, Council President Megan Greisen, Councilor Joel Haugen, Councilor Josh Poling, Councilor Brandon Lesowske, Councilor Pete McHugh, Interim City Manager Alexandra Rains, City Recorder Susan Reeves, Public Works Director Dave Sukau, Program Analyst Huell White, Legal Counsel Peter Watts, Consultants Emily Flock and Peter Olsen.

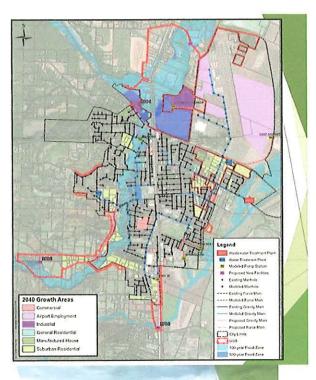
Remote via phone: Marisa Jacobs and Council Candidate Tyler Miller.

Public Works Director Dave Sukau explained tonight we are joined by Emily Flock and Peter Olsen from Keller Associates. He explained over the last year they have been helping the City update the Collections Master Plan.

Emily Flock, Project Engineer, Keller Associates, gave a brief scope overview as she presented the power point.



20-year Projected Development Areas

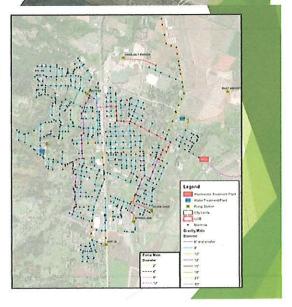


Planning Criteria

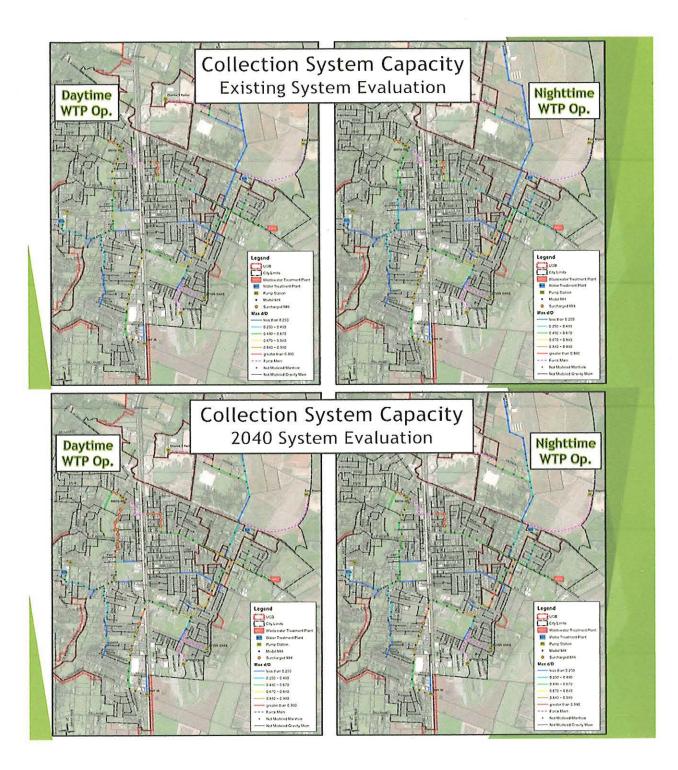
- Collection system hydraulic evaluation
 - 5-year, 24-hour storm event peak flows
 - City PW Design Standards
 - 2/3 full depth of pipe
 - Pump stations evaluated at firm capacity

Existing Collection System

- Approx. 32 miles of gravity pipelines
- Approx. 1.4 miles of force mains
- Majority of pipes are concrete installed in 1970's
- Seven pump stations



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Collection System Capacity Alternatives

 Alt. 1 - Daytime WTP Ops., Upsize existing



Collection System

 Alt. 2 - Nighttime WTP Ops., Upsize & CIPP line existing



Collection System Capacity Alternatives

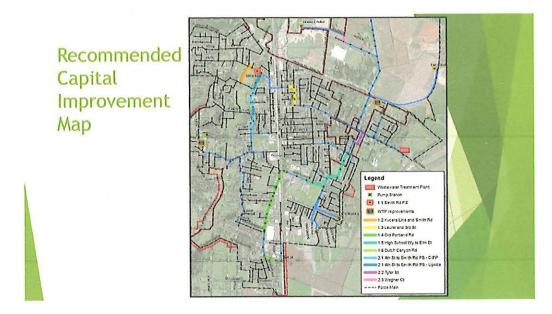
 Alt. 3 - Nighttime WTP Ops., New crossing at Maple St, CIPP line existing



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Mayor Burge asked if money wasn't a consideration which option would you recommend?

Peter Olsen replied if money wasn't an object, you would want everything to flow by gravity.

Emily Flock explained Alternative 1 is approximately 3.3 million, Alternative 2 is approximately 1.9 million and Alternative 3 is just over 4 million.

Councilor Lesowske asked if there is State or Federal financing programs or is this something, we should be putting funds away for in the future?

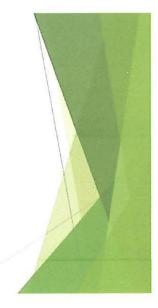
Public Works Director Dave Sukau replied he is not aware of any grants at this time.

Interim City Manager Alexandra Rains replied there are loans with low interest rates that we have come across.

Operation & Maintenance Recommendations

- Pipeline cleaning and CCTV inspection
 - ▶ Continue operations clean and inspect 20-25% of system annually
- Flow monitoring help identify sources and area of high I/I
- Annual replacement program replacement budget





Capital Improvement Plan (CIP)

1D #	Item	Total Estimated		SDC Growt			City's Estimated Portion			
ID:N	redit		ost (2020)	- 35	Cost					
Priority 1 Improvements										
1.1	Smith Road Pump Station	\$	883,000	24%	\$	215,000	\$	668,000		
1.2	WTP Improvements and Smith Rd	\$	908,000	40%	\$	364,000	\$	544,000		
1.3	Laurel and 3rd St	\$	594,000	18%	\$	109,000	\$	485,000		
1.4	Old Portland Rd	\$	1,398,000	10%	\$	145,000	\$	1,253,000		
1.5	High School Wy to Elm St	\$	1,412,000	12%	\$	165,000	\$	1,247,000		
1.6	Dutch Canyon Rd	\$	285,000	2%	\$	5,000	\$	280,000		
1.7	Pump Station Improvements (Springlake and HWY 30 PS)	\$	84,000	36%	\$	30,000	\$	54,000		
Total Priority 1 Improvements (rounded)		\$	5,564,000		\$	1,033,000	\$	4,531,000		
Rate Impact (20 yr, 1.6%)							\$	8.70		
	y 2 Improvements	7.0								
2.1	4th St to Smith Rd Pump Station	\$	958,000	13%	\$	126,000	\$	832,000		
2.2	Tyler St	\$	303,000	13%	\$	40,000	\$	263,000		
2.3	Wagner Ct	\$	126,000	100%	\$	126,000	\$	-		
2.4	Pump Station Improvements (Keys Landing and Seven Oaks PS)	\$	149,000	36%	\$	53,000	\$	96,000		
2.5	Miller WTP Improvements	\$	49,000	36%	S	17,000	S	32,000		
Total Priority 2 Improvements (rounded)		5	1,585,000	1. Sec. 1	\$	362,000	\$	1,223,000		
and the second second	npact (20 yr, 1.6%)						\$	2.35		
	L COLLECTION SYS. IMPROVEMENTS COSTS (rounded)	S	7,149,000		1		15	5,754,000		

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4-Year Priority 1 CIP

ID 7		Total Estimated			Opinion of Probable Costs (2020)							
10.77	Item	C	ost (2020)	2	021	1	2022		2023		2024	
Priority	1 Improvements											
1.1	Smith Road Pump Station	\$	883,000	\$	•	\$	883,000	\$		\$		
1.2	WTP Improvements and Smith Rd	\$	908,000	\$		\$	181,600	\$	726,400	\$	1	
1.3	Laurel and 3rd St	\$	594,000	\$	-	\$	118,800	\$	475,200	\$	-	
1.4	Old Portland Rd	\$	1,398,000	\$		\$		\$	279,600	\$	1,118,400	
1.5	High School Wy to Elm St	\$	1,412,000	\$		\$		\$	282,400	\$	1,129,600	
1.6	Dutch Canyon Rd	\$	285,000	\$		\$		\$	57,000	\$	228,000	
1.7	Pump Station Improvements	\$	84,000	\$		\$	84,000	\$	-	\$	4	
Total P	fority 1 Improvements (rounded)	S	5.564.000	S		S	1.267.400	5	1.820.600	\$ 1	2.476.00	





Councilor Poling asked what is the life span of the product that goes inside the pipe.

Emily Flock & Peter Olsen both replied it is similar to new pipe.

Councilor Lesowske asked in the priority for 2023 for Old Portland Road \$279,600 and High School Way \$282,400, is that just for preparation for two very large projects that we would be taking on.

Peter Olsen replied that would be for the preliminary concept design, your design, your permitting, etc.

Councilor Haugen asked are the estimates for the four-year priority optimistic, pessimistic, or in between or what could interfere with those costs?

Peter Olsen replied that is a great question. He explained there is a construction cost index that you can look at to see what those costs might be, based on previous costs. He stated it is a constantly changing environment.

Public Works Director Dave Sukau stated the good news is that we now have a road map, the bad news is, can we follow it, he doesn't know. He explained the problem that we are faced with is the treatment plant is the wild card in all of this. He explained the next step is staff will be bringing this plan to Council at the next Council meeting for adoption.

Council thanked staff and the consultants.

Adjournment

Mayor Burge adjourned the work session at 6:50 p.m.

Mayor Scott Burge

Attest:

City Recorder Susan M. Reeves, MMC

City Council Work Session

November 16, 2020