



CITY OF RAPID CITY

RAPID CITY, SOUTH DAKOTA 57701-2724

PUBLIC WORKS DEPARTMENT


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MEMORANDUM

TO: Public Works Committee

FROM: Dirk Jablonski, Public Works Director 

CC: Honorable Mayor Shaw

DATE: September 21, 2005

RE: Water Supply Priorities

When the issue of supplying water to the North Deadwood Avenue area was initially presented to Council there was considerable discussion regarding the funding of this project. It was noted to Council at that time that there were approximately \$52,000,000 worth of projects that should be done, but only approximately \$27,000,000 in funding available.

Council instructed staff to develop a priority list of projects based on the apparent current needs of the community. The list is limited to the available \$27,000,000 value. That list is attached.

Keep in mind that this is a fluid list that will change as the needs of the community changes. It does provide what staff believes are the most pressing needs today.

PUBLIC WORKS PRIORITIZATION OF LARGE PROJECTS-04
 NOT CURRENTLY FUNDED OR WHICH COULD BE FUNDED BY
 OTHER MECHANISMS
 9/22/2005

PRIORITY	PROJECT NO.:	CIP NO.:	PROJECT NAME:	PROJECT TYPE	PROBABLE COST (2005)
1	1425	50570	Jackson Springs Water Treatment Facility (1)	Water	\$17,400,000
2		50370	Utility Master Planning and Model (2)	Water	\$300,000
3	NA	50327	42" Trunk Sewer Siphons Rehabilitation	Sewer	\$540,000
3		50370	Utility Master Planning and Model (3)	Sewer	\$300,000
4	NA	NA	Revolving Loan Fund for Sanitary Sewer Extensions (Septic Removal)	Sewer	\$1,250,000
5	NA	50396	Catron/Hwy 16B Sanitary Sewer Interceptor Extension (4)	Sewer	\$1,150,000
6	NA	50321	Elk Vale Low Level Reservoir	Water	\$3,500,000
7	1258	50315	Deadwood Ave. Sewer Extension (to Harley Davidson)	Sewer	\$500,000
8	NA	50461	North Deadwood Reservoir and Madison Well	Water	\$8,300,000
				Total	\$33,240,000
				Total Water	\$29,500,000
				Total Sewer	\$3,740,000
9	1248	50371	Elk Vale Water Main Loop	Water	\$500,000
10	NA	50467	E. Hwy 44 Water Transmission Main	Water	\$400,000
11	NA	?	Lower portion of South Side Trunk Sewer (1)	Sewer	\$3,000,000
12	NA	50328	Elks Club Sewer Interceptor (1)	Sewer	\$1,260,000
13	NA	50451	Pinelawn Reservoir	Water	\$3,500,000
14	NA	50454	Water Well #13 (Red Rock)	Water	\$450,000

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PRIORITY	PROJECT NO.:	CIP NO.:	PROJECT NAME:	PROJECT TYPE	PROBABLE COST (2005)
15	NA	50448	West Chicago/Cement Plant Water Main Loop	Water	\$600,000
16	NA	?	Upper Portion of South Side Trunk Sewer (5)	Sewer	\$3,240,000
17	NA		Northeast Sewer Interceptor Phase 1B	Sewer	\$1,450,000
18	NA	50414	11th & 12th St. Alley Sanitary Sewer Reconstruction	Sewer	\$400,000
19	NA	50422	West Blvd. Sewer Reconstruction	Sewer	\$500,000
20	NA	50377	Fulton St. Sewer Reconstruction	Sewer	\$100,000
21	1195	50205	WRF Water main Extension, Hwy 44 to WRF Facility	Water	\$1,300,000
22	NA	50474	Elk Vale Elevated Water Reservoir and Booster Station	Water	\$3,500,000
23	NA	50315	Deadwood Ave. Sewer Extension (from Harley Davidson to Farrar)	Sewer	\$350,000
				Total	\$53,790,000
				Total Water	\$39,750,000
				Total Sewer	\$14,040,000
NOTES:					

1. The Probable cost is subject to change depending on Consultant evaluation of the alternatives.
2. The City requested a federal grant to help offset this cost.
3. The City requested a federal grant to help offset this cost.
4. The upper portion (from Edinborough west) of this sewer should be constructed along with the SD DOT project in 2008-2009. The lower portion (from 5th St. to Edinborough) could proceed earlier in order to facilitate development along Hwy 16.
5. In order to construct the Elks Club Interceptor the lower portion of the South Side Trunk Sewer should be constructed.