

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2019 Street Patching	Maintenance	Engineering	Street	2019
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Patch various streets throughout the City.	
Construction Fund	\$10,000.00	Original Construction	2019		
Special Assessment	\$0.00	Current Construction	2019		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History	
Total Project Cost	\$10,000.00	Project Length			
		Miles	0		
Justification					
Larger patches can fix localized bad spots in streets and extend the life of the road before it needs a more costly fix.					
Site Requirements				Project Impact	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	2019 Street Striping	Maintenance	Engineering	Street	2019
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2018	Stripe various streets throughout the City.	
Construction Fund	\$10,000.00	Original Construction	2019		
Special Assessment	\$0.00	Current Construction	2019		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$10,000.00	Miles	0		
				Most roads that need to be striped were stiped between 3-5 years ago.	
Justification					
Needed to maintain minimal centerline striping on collector roads.					
Site Requirements				Project Impact	
None				Local impacts only.	

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Project #	Project Name	Project Type	Department	Category	Improvement Year
	2019 Crack Filling	Preventative Maintenance	Engineering	Street	2019
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Crack seal various streets throughout the City.	
Construction Fund	\$25,000.00	Original Construction	2019		
Special Assessment	\$0.00	Current Construction	2019		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$25,000.00	Miles	0	Since 2013 the City has been trying to keep up with crack filling by sealing cracks within five-ten years after the road has been paved.	
Justification					
Crack sealing is a cost effective way of preserving the life of the pavement. Crack sealing works best on roads that are newer where the cracking is not too severe.					
Site Requirements				Project Impact	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
16-09	Buffalo Hills Pond	New Construction	Engineering	Storm Water	2019
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2008	Construct a storm water detention pond and improve the existing outfall.	
Construction Fund	\$0.00	Original Construction	2009		
Special Assessment	\$0.00	Current Construction	2019		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$35,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$35,000.00	Miles	0	Two lots were bought in 2002 in anticipation of reconstruction Buffalo Hills Lanes. The lots were bought to provide storm water management.	
Justification					
There is significant erosion at the existing outlet.					
Site Requirements				Project Impact	
City owns two tax forfeited lots.				Water quality will be improved. Future storm water needs will be met. Local traffic impacts during construction only.	

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Project #	Project Name	Project Type	Department	Category	Improvement Year
	2019 Seal Coat	Preventative Maintenance	Engineering	Street	2019
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2018	Seal coat various streets in the City.	
Construction Fund	\$150,000.00	Original Construction	2019		
Special Assessment	\$0.00	Current Construction	2019		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$150,000.00	Miles	0		
Justification					
Seal coating streets is a cost effective way of preserving the life of the bituminous road.					
Site Requirements				Project Impact	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
18-08	S 4th Street and Willow Street Mill/Overlay	Pavement Resurfacing	Engineering	Street	2019
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2018	Mill and Overlay on S 4th Street from College Drive to Vine Street and Mill and Overlay on Willow Street from Vine Street to S 7th Street. Some curb and gutter replacement is anticipated on Willow from 6th to 7th.	
Construction Fund	\$0.00	Original Construction	2018		
Special Assessment	\$83,000.00	Current Construction	2019		
Municipal State Aid	\$103,000.00				
Sanitary Sewer Fund	\$2,000.00				
Storm Water Utility	\$13,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$201,000.00	Miles	0.27	S 4th was constructed in 1994. Willow Street (Vine St to S 6th St) was constructed in 2004. Willow Street (S 6th to S 7th) was constructed in 1985 and sealed in 1990.	
Justification					
Pavement Rating is 2.83/4.0 and curb rating is 3.5/4.0 on S 4th St from Vine St to College Dr. Willow St pavement rating is 2.67/4.0 with curb rating at 3.5/4.0 from Vine St to 6th St and pavement rating 1.93/4.0 with curb rating 1.5/4.0 from 6th to 7th.					
Site Requirements				Project Impact	
None				Detouring traffic that travels south onto S 4th Street, from College Drive, to S 6th Street.	

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Project #	Project Name	Project Type	Department	Category	Improvement Year
17-07	10th Ave NE, 210 - I St	Total Reconstruction	Engineering	Street	2019
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2018	Total reconstruction of 10th Avenue NE from Washington Street - I Street including curb and gutter replacement.	
Construction Fund	\$101,000.00	Original Construction	2016		
Special Assessment	\$101,000.00	Current Construction	2019		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost		Project Length		Project History	
	\$202,000.00	Miles	0.27	Constructed in 1951 and overlaid in 1992.	
Justification					
Pavement rating is 2.79/4.0, Washington St to F St; 2.50/4.0 from F St to H St; and 3.59/4.0 from H St to I St. Curb Rating is 2.0/4.0 from Washington St to H St; 2.5/4.0 from H St to I St. SRTS and Garfield Streets Projects (13-16 and 13-19) contributed.					
Site Requirements				Project Impact	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
18-09	College Drive Mill/Overlay	Pavement Resurfacing	Engineering	Street	2019
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2018	Mill and Overlay on College Drive from the County Road 48 (West Brainerd City Limits) to Quince Street.	
Construction Fund	\$0.00	Original Construction	2019		
Special Assessment	\$0.00	Current Construction	2019		
Municipal State Aid	\$291,750.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost		Project Length		Project History	
	\$291,750.00	Miles	0	College Drive was constructed in 2012.	
Justification					
Pavement Rating is 3.5/4.0 in 2015, but pavement is showing rapid surface distress and deterioration.					
Site Requirements				Project Impact	
None				Traffic will be impacted, but no full closure of traffic in either direction is anticipated.	

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Project #	Project Name	Project Type	Department	Category	Improvement Year
17-10	SE Alley Sanitary Sewer, 11th Ave SE to 19th Ave SE	Utility	Engineering	Sanitary Sewer	2019
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2017	Sanitary sewer replacement in the alley located between Oak St. and Pine St. All pipes and services will be replaced. Manholes will be kept in place where appropriate.	
Construction Fund	\$0.00	Original Construction	2018		
Special Assessment	\$0.00	Current Construction	2019		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$400,000.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00	Project Length		Project History	
Other	\$0.00	Miles	0.57	The 11th Ave SE to 16th Ave SE portion of the line was installed in 1918. Portion 16th Ave SE to 19th Ave SE was installed in 1935.	
Total Project Cost	\$400,000.00				
Justification					
The sanitary sewer pipe is aging clay pipe, and multiple incidents requiring maintenance and spot repairs to fix breaks have occurred in the line.					
Site Requirements				Project Impact	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
17-06	H St, 8th Avenue NE - 13th Ave NE	Total Reconstruction	Engineering	Street	2019
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2018	Total reconstruction of H Street from 8th Ave NE to 13th Ave NE including curb and gutter replacement. Street narrowed with sidewalk being installed as a part of the SRTS sidewalk projects.	
Construction Fund	\$0.00	Original Construction	2018		
Special Assessment	\$144,000.00	Current Construction	2019		
Municipal State Aid	\$203,000.00				
Sanitary Sewer Fund	\$4,000.00				
Storm Water Utility	\$63,000.00				
Water Fund (BPU)	\$0.00	Project Length		Project History	
Other	\$0.00	Miles	0.34	The street was constructed in 1968.	
Total Project Cost	\$414,000.00				
Justification					
The pavement rating is 2.33/4.0, and the curb rating is 3.0/4.0 from 8th Ave NE to 11th Ave NE. The curb rating is 3.5/4.0 from 11th Ave NE to 13th Ave NE.					
Site Requirements				Project Impact	
None				Local impacts only.	

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Project #	Project Name	Project Type	Department	Category	Improvement Year
17-08	Garfield SRTS Phase II	Trail/Sidewalk	Engineering	Street	2019
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2018	Install new sidewalks along 10th Ave NE (H-I), N St (Mill-10th), 9th Ave (N-Q) to serve Garfield School. Install sidewalks along G St (1st-3rd Ave) for Lowell School.	
Construction Fund	\$140,000.00	Original Construction	2019		
Special Assessment	\$0.00	Current Construction	2019		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$280,000.00	Project Length		Project History	
Total Project Cost	\$420,000.00	Miles	0	Awarded SRTS funding in 2015 for 2019 construction. SRTS 108-591-005.	
Justification					
Part of SRTS Plan					
Site Requirements				Project Impact	
None				Local impacts only	
Project #	Project Name	Project Type	Department	Category	Improvement Year
16-09	Buffalo Hills Lane Reconstruction	Total Reconstruction	Engineering	Street	2019
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2018	Buffalo Hills Lane Reconstruction from Graydon Avenue - End of Mississippi Parkway. Construction of 26' driving surface and an 8' seperated trail.	
Construction Fund	\$0.00	Original Construction	2019		
Special Assessment	\$825,000.00	Current Construction	2019		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00	Project Length		Project History	
Other	\$0.00	Miles	0.71	Project has not been constructed to City of Brainerd standards in the past.	
Total Project Cost	\$825,000.00				
Justification					
Current road has not been built to City of Brainerd standards and consists of a graded roadway with chip seal surfacing. Stormwater has not been dealt with on this project and current driving surface is 22'. Roadway has numerous potholes and unsafe.					
Site Requirements				Project Impact	
Vertical and Horizontal re-alignments will be necessary to center road in ROW.				Road and trail section will be centered in ROW.	