

CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2020 Street Striping	Maintenance	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Stripe various streets throughout the City.	
Construction Fund	\$10,000.00	Original Construction	2020		
Special Assessment	\$0.00	Current Construction	2020		
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		\$10,000.00			
Justification		Project Length		Project History	
Needed to maintain minimal centerline striping on collector roads.		Miles	0	Most roads that need to be striped were stiped between 3-5 years ago.	
Site Requirements			Project Impact		
None			Local impacts only.		
Project #	Project Name	Project Type	Department	Category	Improvement Year
	2020 Street Patching	Maintenance	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Patch various streets throughout the City.	
Construction Fund	\$10,000.00	Original Construction	2020		
Special Assessment	\$0.00	Current Construction	2020		
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		\$10,000.00			
Justification		Project Length		Project History	
Larger patches can fix localized bad spots in streets and extend the life of the road before it needs a more costly fix.		Miles	0		
Site Requirements			Project Impact		
None			Local impacts only.		

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Project #	Project Name	Project Type	Department	Category	Improvement Year
	2020 Crack Filling	Preventative Maintenance	Engineering	Street	2020
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	2020		
Special Assessment	\$0.00	Current Construction	2020		
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
	L St, Mill - 8th Ave Pavement Reconstruction	Pavement Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	L St between Mill Ave and 8th Ave would have the bituminous pavement section replaced. Some spot repair of curb is also expected.	
Construction Fund	\$22,500.00	Original Construction	2014		
Special Assessment	\$7,500.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$1,500.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$31,500.00	Miles	0.05	The street was constructed in 1964 and last sealed in 1979.	
Justification					
The pavement rating is 1.20/4.0 and curb rating is 3.0/4.0.					
Site Requirements				Project Impact	
None				Local impacts only.	

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Project #	Project Name	Project Type	Department	Category	Improvement Year
	10th Ave NE, P Street - Q Street	Pavement Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Resurface 10th Ave NE from P St to Q St. Some spot curb repair expected.	
Construction Fund	\$17,000.00	Original Construction	2020		
Special Assessment	\$17,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$1,500.00				
Storm Water Utility	\$3,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost		Project Length		Project History	
	\$38,500.00	Miles	0.06	The street was constructed in 1994 and last sealed in 2001.	
Justification					
Pavement rating is 2.50/4.0, and curb rating is 2.5/4.0.					
Site Requirements				Project Impact	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	10th Ave NE, N Street - O Street	Pavement Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Resurface 10th Ave from N St to O St.	
Construction Fund	\$25,500.00	Original Construction	2020		
Special Assessment	\$8,500.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$2,000.00				
Storm Water Utility	\$3,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost		Project Length		Project History	
	\$39,000.00	Miles	0.07	The street was constructed in 1994 and last sealed in 2001.	
Justification					
Pavement rating is 2.50/4.0, and curb rating is 3.0/4.0.					
Site Requirements				Project Impact	
None				Local impacts only.	

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Project #	Project Name	Project Type	Department	Category	Improvement Year
	O Street, 9th Ave NE - 12th Ave NE	Pavement Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Resurface O Street from 9th Ave NE to 12th Ave NE. Some spot curb repair expected.	
Construction Fund	\$52,500.00	Original Construction	2020		
Special Assessment	\$17,500.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$6,000.00				
Storm Water Utility	\$8,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History The street was constructed in 1994 and last sealed in 2001.	
Total Project Cost	\$84,000.00	Project Length			
		Miles	0.19		
Justification					
Pavement ratings are 3.88/4.0 from 9th Ave to 10th Ave, 3.41/4.0 from 10th Ave to 12th Ave. Curb rating is 3.0/4.0. Multiple locations are showing signs of severe distress in the pavement.					
Site Requirements			Project Impact		
None			Local impacts only.		
Project #	Project Name	Project Type	Department	Category	Improvement Year
	P Street, Mill Ave - 10th Ave NE	Pavement Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Resurface P Street from Mill Ave to 10th Ave NE. Some spot curb repair expected.	
Construction Fund	\$72,000.00	Original Construction	2020		
Special Assessment	\$24,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$6,000.00				
Storm Water Utility	\$8,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			Project History The street was constructed in 1993 and last sealed in 2001.	
Total Project Cost	\$110,000.00	Project Length			
		Miles	0.2		
Justification					
Pavement rating is 1.88/4.0, and curb rating is 2.5/4.0.					
Site Requirements			Project Impact		
None			Local impacts only.		

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Project #	Project Name	Project Type	Department	Category	Improvement Year
	7th Ave NE, E - H Pavement Reconstruction	Pavement Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Construction would consist of bituminous and base removal and replacment. Some spot curb repair is also expected.	
Construction Fund	\$55,000.00	Original Construction	2011		
Special Assessment	\$55,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$6,000.00				
Storm Water Utility	\$11,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost	\$127,000.00	Project Length		Project History	
		Miles	0.22	The street was constructed in 1951 and was overlaid in 1988. It was last sealed in 1992.	
Justification					
Pavement rating is 1.88/4.0, and curb rating is 2.0/4.0.					
Site Requirements				Project Impact	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	J St, Mill Ave - 10th Ave NE	Pavement Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Resurface J Street between Mill Ave and 10th Ave.	
Construction Fund	\$85,500.00	Original Construction	2016		
Special Assessment	\$28,500.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$6,000.00				
Storm Water Utility	\$8,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost	\$128,000.00	Project Length		Project History	
		Miles	0.19	The street was last resurfaced	
Justification					
Pavement rating is 2.58/4.0, and curb rating is 2.5/4.0.					
Site Requirements				Project Impact	
None				Local impacts only if work is completed before school begins.	

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Project #	Project Name	Project Type	Department	Category	Improvement Year
	11th Ave NE, H-J Reconstruction	Total Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	A total reconstruction of 11th Ave NE from H St - J St including curb and gutter, aggregate base, and bituminous pavement.	
Construction Fund	\$73,000.00	Original Construction	2016		
Special Assessment	\$73,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$3,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00	Project Length		Project History	
Total Project Cost	\$149,000.00	Miles	0.15	The street was constructed in 1962 and overlaid in 1988. The street was last sealed in 1993.	
Justification					
The pavement ratings are 2.83/4.0 from H St to I St and 3.08/4.0 from I St to J St. Curb ratings are 1.0/4.0 from H St to I St and 2.0/4.0 from I St to J St. The curb has many major deficiencies.					
Site Requirements				Project Impact	
None				Local impacts only	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	2020 Seal Coat	Preventative Maintenance	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Seal coat various streets in the City.	
Construction Fund	\$150,000.00	Original Construction	2020		
Special Assessment	\$0.00	Current Construction	2020		
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.	

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Project #	Project Name	Project Type	Department	Category	Improvement Year
	5th Ave NE, Washington - E St	Pavement Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Resurface 5th Ave NE from Washington St - E St.	
Construction Fund	\$0.00	Original Construction	2016		
Special Assessment	\$44,500.00	Current Construction	2020		
Municipal State Aid	\$186,500.00				
Sanitary Sewer Fund	\$11,000.00				
Storm Water Utility	\$11,000.00				
Water Fund (BPU)	\$0.00	Project Length		Project History	
Other	\$0.00	Miles	0.29	Washington Street to C Street was constructed in 1988 and last sealed in 1998. C Street to D Street was constructed in 1950, overlaid in 1988, and sealed in 1998. D Street to E Street was constructed in 1993.	
Total Project Cost	\$253,000.00				
Justification					
Pavement ratings are 3.06/4.0 from Washington to C St, 2.78/4.0 from C St to D St, 3.75/4.0 from D St to E St. Curb ratings are 2.5/4.0 from Washington to D St, 3.0/4.0 from D St to E St.					
Site Requirements			Project Impact		
None			Detours during paving. Major access point to businesses.		
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Fir St & Evergreen Ave, N 10th St to NE 1st Ave	Pavement Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Reclaim and inlay bituminous pavement on Evergreen Ave between N 10th St and 1st Ave NE. Some spot curb repair is also expected.	
Construction Fund	\$0.00	Original Construction	2018		
Special Assessment	\$26,500.00	Current Construction	2020		
Municipal State Aid	\$216,500.00				
Sanitary Sewer Fund	\$7,000.00				
Storm Water Utility	\$30,000.00				
Water Fund (BPU)	\$0.00	Project Length		Project History	
Other	\$0.00	Miles	0.35	The street was constructed in 1985 and last sealed in 1990.	
Total Project Cost	\$280,000.00				
Justification					
The pavement rating is 2.91/4.0 on Fir St from 10th St N to 11th St N and the curb rating is 3.5/4.0. The pavement rating is 3.13/4.0 on Evergreen Ave from 11th St N to 1st Ave NE and the curb rating is 3.5/4.0.					
Site Requirements			Project Impact		
None			Neighborhood impacts. The street serves the neighborhoods of NE and N Brainerd as a collector street with 1850 ADT (2015).		

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Project #	Project Name	Project Type	Department	Category	Improvement Year
13-21	B St NE, 1st Ave NE - 5th Ave NE Reconstruction	Total Reconstruction	Engineering	Street	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	A total reconstruct of B St NE from 1st Ave NE to 5th Ave NE. The curb and gutter, aggregate base and bituminous would be replaced.	
Construction Fund	\$0.00	Original Construction	2014		
Special Assessment	\$63,500.00	Current Construction	2020		
Municipal State Aid	\$235,500.00				
Sanitary Sewer Fund	\$8,000.00			Project History The street from 1st ave NE to 3rd Ave NE was constructed in 1959. This portion of the street was last sealed in 1968. 3rd Ave NE to 4th Ave NE was constructed in 1971. 4th Ave NE to 5th Ave NE was constructed in 1988 and last sealed in 1998.	
Storm Water Utility	\$1,500.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost	\$308,500.00	Project Length			
		Miles	0.31		
Justification					
Pavement ratings are 0.72/4.0 from 1st Ave-2nd Ave, 1.08/4.0 from 2nd Ave-3rd Ave, 3.03/4.0 from 3rd Ave-4th Ave, 3.61/4.0 from 4th Ave-5th Ave. Curb ratings are 2.5/4.0 from 1st Ave-3rd Ave, 3.0/4.0 from 3rd Ave-4th Ave, 1.5/4.0 from 4th Ave-5th Ave.					
Site Requirements			Project Impact		
None			Local impacts only.		
Project #	Project Name	Project Type	Department	Category	Improvement Year
	2020 Sanitary Sewer Replacement Project	Utility	Engineering	Sanitary Sewer	2020
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Sanitary sewer replacement project. Location to be determined.	
Construction Fund	\$0.00	Original Construction	2020		
Special Assessment	\$0.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$400,000.00			Project History	
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
Total Project Cost	\$400,000.00	Project Length			
		Miles	0		
Justification					
Sanitary sewer line determined to be aging and a frequent maintenance issue.					
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 III	Trail/Sidewalk	Engineering	Trail	2019
Estimated Cost		Project Schedule		Project Description	
Sources of Funding		Design	2019	Addition of Sidealks in NE Brainerd on NE 10th from Washington - H Street, H Street from Mill Avenue - 13th Avenue, L Street from Mill Aveue - NE 9th, J Street from NE 12th - NE 13th, L Street from NE 12th - NE 14th, and N Street from NE 10th - NE 14th.	
Construction Fund	\$192,000.00	Original Construction	2020		
Special Assessment	\$0.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$408,000.00				
Total Project Cost		\$600,000.00			
Justification		Project Length		Project History	
Funded through a TAP grant.		Miles	0	TAP grant awarded to the City of Brainerd in 2016.	
Site Requirements				Project Impact	
Some tree and brush/shrub removal.				No impacts to local traffic.	