

## CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2020 Street Patching	Maintenance	Engineering	Street	2020
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		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				
<b>Total Project Cost</b>		<b>\$10,000.00</b>			
<b>Justification</b>		<b>Project Length</b>		<b>Project History</b>	
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		
<b>Site Requirements</b>			<b>Project Impact</b>		
None			Local impacts only.		
Project #	Project Name	Project Type	Department	Category	Improvement Year
	2020 Street Striping	Maintenance	Engineering	Street	2020
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		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				
<b>Total Project Cost</b>		<b>\$10,000.00</b>			
<b>Justification</b>		<b>Project Length</b>		<b>Project History</b>	
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.	
<b>Site Requirements</b>			<b>Project Impact</b>		
None			Local impacts only.		

## CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2020 Crack Filling	Preventative Maintenance	Engineering	Street	2020
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		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			<b>Project History</b> 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.	
<b>Total Project Cost</b>	<b>\$25,000.00</b>	<b>Project Length</b>			
		Miles	0		
<b>Justification</b>					
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.					
<b>Site Requirements</b>				<b>Project Impact</b>	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	L St Resurfacing	Pavement Reconstruction	Engineering	Street	2020
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2019	Resurfacing of L St between Mill Avenue and 8th Avenue NE would have the bituminous pavement section replaced. Some spot repair of curb is also expected.	
Construction Fund	\$31,000.00	Original Construction	2014		
Special Assessment	\$4,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$2,000.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00			<b>Project History</b> The street was constructed in 1964 and last sealed in 1979. Street is 55 years old and has served its effective life expectancy.	
<b>Total Project Cost</b>	<b>\$33,000.00</b>	<b>Project Length</b>			
		Miles	0.05		
<b>Justification</b>					
The pavement rating is 1.20/4.0 and curb rating is 3.0/4.0.					
<b>Site Requirements</b>				<b>Project Impact</b>	
None				Local impacts to traffic only. No anticipated detours at this time.	

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Project #	Project Name	Project Type	Department	Category	Improvement Year
	10th Ave NE Resurfacing	Pavement Reconstruction	Engineering	Street	2020
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2019	Resurfacing 10th Ave from N St to O St. Bituminous pavement and aggregate base would be removed and replaced between the curb line. Some curb spot repair is expected.	
Construction Fund	\$44,000.00	Original Construction	2020		
Special Assessment	\$11,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$4,000.00			<b>Project History</b> The street was constructed in 1994 and last sealed in 2001. Street is 25 years old, but poor soils in the area cut life expectancy on streets in this area short.	
Storm Water Utility	\$8,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
<b>Total Project Cost</b>		<b>\$56,000.00</b>			
<b>Justification</b>					
Pavement rating is 2.50/4.0, and curb rating is 3.0/4.0. Street is showing severe signs of distress with large potholes forming and sections of pavement completely missing.					
<b>Site Requirements</b>				<b>Project Impact</b>	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	11th Avenue NE Resurfacing	Pavement Reconstruction	Engineering	Street	2020
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2019	Resurfacing of 11th Avenue NE between H Street and J Street. Consists of removal and replacement of gravel and bituminous surfacing, spot repair of curb, driveway restoration, and all other incidental items for construction.	
Construction Fund	\$93,000.00	Original Construction	2016		
Special Assessment	\$24,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00			<b>Project History</b> The street was constructed in 1962 and overlaid in 1988. The street was last sealed in 1993. Pavement is 67 years old and has served its effective life expectancy.	
Storm Water Utility	\$4,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
<b>Total Project Cost</b>		<b>\$97,000.00</b>			
<b>Justification</b>					
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.					
<b>Site Requirements</b>				<b>Project Impact</b>	
None				Local impacts to traffic only. No expected detour at this time.	

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Project #	Project Name	Project Type	Department	Category	Improvement Year
	O Street Resurfacing	Pavement Reconstruction	Engineering	Street	2020
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2019	Resurfacing of O Street from 9th Ave NE to 12th Ave NE. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$118,000.00	Original Construction	2020		
Special Assessment	\$15,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$8,000.00			<b>Project History</b>	
Storm Water Utility	\$16,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
<b>Total Project Cost</b>		<b>\$142,000.00</b>			
		<b>Project Length</b>			
		Miles	0.19		
<b>Justification</b>					
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.					
<b>Site Requirements</b>				<b>Project Impact</b>	
None				Local impacts to traffic is anticipated. No planned detour at this time.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	P Street Resurfacing	Pavement Reconstruction	Engineering	Street	2020
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2019	Resurface P Street from Mill Ave to 10th Ave NE. Some spot curb repair expected. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$124,000.00	Original Construction	2020		
Special Assessment	\$16,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$6,000.00			<b>Project History</b>	
Storm Water Utility	\$12,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
<b>Total Project Cost</b>		<b>\$142,000.00</b>			
		<b>Project Length</b>			
		Miles	0.2		
<b>Justification</b>					
Pavement rating is 1.88/4.0, and curb rating is 2.5/4.0. Pavement is showing signs of distresses. Major distress is alligator cracking.					
<b>Site Requirements</b>				<b>Project Impact</b>	
None				Local impacts to traffic is anticipated. No planned detour at this time.	

## CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2020 Seal Coat	Preventative Maintenance	Engineering	Street	2020
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		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	<b>Project Length</b>		<b>Project History</b>	
Other	\$0.00	Miles	0		
<b>Total Project Cost</b>	<b>\$150,000.00</b>				
<b>Justification</b>					
Seal coating streets is a cost effective way of preserving the life of the bituminous road.					
<b>Site Requirements</b>				<b>Project Impact</b>	
None				Local impacts only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	J St Resurfacing	Pavement Reconstruction	Engineering	Street	2020
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2019	Resurfacing of J Street from Mil Ave to 10th Ave and 11th Ave to 13th Ave. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$155,000.00	Original Construction	2016		
Special Assessment	\$20,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$14,000.00				
Storm Water Utility	\$12,000.00				
Water Fund (BPU)	\$0.00	<b>Project Length</b>		<b>Project History</b>	
Other	\$0.00	Miles	0.19	The majority of J Street was constructed in 1974 and 1975 and seal coated in 1985. Street is 45 years old and has served its effective life cycle.	
<b>Total Project Cost</b>	<b>\$181,000.00</b>				
<b>Justification</b>					
Pavement rating is 2.58/4.0, and curb rating is 2.5/4.0 from Mill Avenue to 10th Avenue NE. Pavement rating is 2.41/4.0 and curb rating is 2.5/4.0 from 11th Avenue NE to 13th Avenue NE.					
<b>Site Requirements</b>				<b>Project Impact</b>	
None				Local impacts only if work is completed before school begins.	

## CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	B Street, C Street, and D Street Reconstruction	Total Reconstruction	Engineering	Street	2020
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2019	Reconstruction of B Street, C Street, and D Street from 5th Avenue NE into the Mall property in NE Brainerd. Consists of total curb and surfacing replacement, driveway rehabilitation, restoration, and all other incidental items for construction.	
Construction Fund	\$175,000.00	Original Construction	2020		
Special Assessment	\$27,000.00	Current Construction	2020		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$2,000.00			<b>Project History</b> B Street was last surfaced in 1988 and sealed in 1998. C Street was last surfaced in 1988 and seal coated in 1998. D Street was last surfaced in 1988 and seal coated in 1998.	
Storm Water Utility	\$6,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
<b>Total Project Cost</b>		<b>\$183,000.00</b>			
<b>Justification</b>					
Pavement rating ranges from 1.86/4.0 to 2.57/4.0 and curb ratings range from 1.5/4.0 to 2.0/4.0.					
<b>Site Requirements</b>				<b>Project Impact</b>	
None				Major impacts to mall property. Phasing or detours must be considered as part of project, to be in conjunction with 5th Avenue NE reconstruction.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	2020 Sanitary Sewer Replacement Project	Utility	Engineering	Sanitary Sewer	2020
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		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	\$338,000.00			<b>Project History</b>	
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
<b>Total Project Cost</b>		<b>\$338,000.00</b>			
<b>Justification</b>					
Sanitary sewer line determined to be aging and a frequent maintenance issue.					
<b>Site Requirements</b>				<b>Project Impact</b>	
None				Local impacts only.	

## CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	NW 4th Street Reconstruction	Total Reconstruction	Engineering	Street	2020
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2019	Joint reconstruction of NW 4th Street with Crow Wing County. Reconstruction would occur from Washington Street to just north of Jackson Street	
Construction Fund	\$414,000.00	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	<b>Project Length</b>		<b>Project History</b>	
Other	\$0.00	Miles	0.25		
<b>Total Project Cost</b>	<b>\$414,000.00</b>				
<b>Justification</b>					
NW 4th Street is a notoriously dangerous route. This reconstruction would eliminate many safety concerns by adding a roundabout at Jackson Street and generally restricting certain dangerous movements my vehicles.					
<b>Site Requirements</b>				<b>Project Impact</b>	
None.				Difficulties getting people to areas on Riverside Drive, Beaver Dam Road, Ect. Coordination will be a high priority to ensure residents will have as limited impacts as possible.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	5th Ave NE Reconstruction	Total Reconstruction	Engineering	Street	2020
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2019	Reconstruction of 5th Avenue NE from Washington Street to D Street. Consists of full replacement of curb and gutter and surfacing, driveway and access replacement, restoration, and all other incidental items.	
Construction Fund	\$0.00	Original Construction	2016		
Special Assessment	\$46,000.00	Current Construction	2020		
Municipal State Aid	\$448,000.00				
Sanitary Sewer Fund	\$14,000.00				
Storm Water Utility	\$12,000.00				
Water Fund (BPU)	\$0.00	<b>Project Length</b>		<b>Project History</b>	
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.	
<b>Total Project Cost</b>	<b>\$474,000.00</b>				
<b>Justification</b>					
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.					
<b>Site Requirements</b>				<b>Project Impact</b>	
None				Detours during paving. Major access point to businesses.	

## CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
13-21	B Street Reconstruction	Total Reconstruction	Engineering	Street	2020
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2019	A total reconstruct of B St NE from Gillis Avenue 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	\$50,000.00	Current Construction	2020		
Municipal State Aid	\$479,000.00				
Sanitary Sewer Fund	\$12,000.00				
Storm Water Utility	\$4,000.00				
Water Fund (BPU)	\$0.00	<b>Project Length</b>		<b>Project History</b>	
Other	\$0.00	Miles	0.31	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.	
<b>Total Project Cost</b>	<b>\$495,000.00</b>				
<b>Justification</b>					
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.					
<b>Site Requirements</b>			<b>Project Impact</b>		
None			Local impacts only.		
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Cuyuna Trail Extension, 13th/Washington-5th Ave/Washii	Trail/Sidewalk	Engineering	Trail	2020
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2019	Construct a 10' bituminous trail along TH 210 from 5th Avenue NE to N 8th Street. Construct a 10' bituminous trail along Norwood Street from S 8th Street to the Buffalo Hills Trail. This project will be utilizing appropriated MnDNR funds.	
Construction Fund	\$0.00	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	<b>Project Length</b>		<b>Project History</b>	
Other	\$1,100,000.00	Miles	0	The City has extended the Cuyuna Trail in three past projects beginning in 2000.	
<b>Total Project Cost</b>	<b>\$1,100,000.00</b>				
<b>Justification</b>					
To complete the Cuyuna Trail within the City Limits of Brainerd, ulimtely connecting the Paul Bunyan Trail in Baxter/Brainerd to Crosby and cities east of Brainerd.					
<b>Site Requirements</b>			<b>Project Impact</b>		
Unknown at this time.			Unkown at this time.		