

## CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2023 Street Patching	Preventative Maintenance	Engineering	Street	2023
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2022	Annual large street patch project for streets not identified in the 5-year capital improvement plan.	
Construction Fund	\$10,000.00	Original Construction	2023		
Special Assessment	\$0.00	Current Construction	2023		
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>	
<b>Total Project Cost</b>	<b>\$10,000.00</b>	<b>Project Length</b>			
		Miles	0	This improvement has been happening for quite a few years and has been successful in ridding areas of localized potholing.	
<b>Justification</b>					
Localized areas of large potholes are taken care of with this project with large patches within the street. This effectively helps the street to meet its effective lifespan while doing a fairly inexpensive maintenance project.					
<b>Site Requirements</b>				<b>Project Impact</b>	
None.				Local impacts to traffic only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	2023 Street Striping	Maintenance	Engineering	Street	2023
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2022	Annual striping of all the streets in Brainerd.	
Construction Fund	\$15,000.00	Original Construction	2023		
Special Assessment	\$0.00	Current Construction	2023		
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>	
<b>Total Project Cost</b>	<b>\$15,000.00</b>	<b>Project Length</b>			
		Miles	0	This is an annual maintenance project to keep the line work up to date on streets.	
<b>Justification</b>					
Striping of the streets maintains the safety of the selected corridor by ensuring the marking are visible.					
<b>Site Requirements</b>				<b>Project Impact</b>	
None				Local impacts to traffic only.	

## CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	2023 Crack Sealing	Preventative Maintenance	Engineering	Street	2023
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2022	Annual crack sealing of numerous streets in Brainerd.	
Construction Fund	\$25,000.00	Original Construction	2023		
Special Assessment	\$0.00	Current Construction	2023		
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 Length</b>		<b>Project History</b>	
<b>Total Project Cost</b>	<b>\$25,000.00</b>	Miles	0	Brainerd has had an aggressive crack sealing program for years.	
<b>Justification</b>					
Crack sealing effectively seals cracks in the streets, which is proven to prolong the life of pavements.					
<b>Site Requirements</b>				<b>Project Impact</b>	
None.				Local impacts to traffic only.	
Project #	Project Name	Project Type	Department	Category	Improvement Year
	Quince Street Resurfacing	Pavement Reconstruction	Engineering	Street	2023
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2022	Resurfacing of Quince Street from 15th Street SE to 16th Street SE. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$44,000.00	Original Construction	2023		
Special Assessment	\$11,000.00	Current Construction	2023		
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 Length</b>		<b>Project History</b>	
<b>Total Project Cost</b>	<b>\$44,000.00</b>	Miles	0.07	Quince Street was last surfaced in 1971 and seal coated in 1986. Pavement is 48 years old and has served its effective life expectancy.	
<b>Justification</b>					
Pavement score in 2018 is 2.54/4.0. Curb rating in 2018 is 2.5/3.0. Pavement is showing signs of failure through block cracking, potholing, alligator cracking, etc.					
<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
	Rosewood Street Reconstruction	Total Reconstruction	Engineering	Street	2023
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2022	Reconstruction of Rosewood Street from the Spur Line Trail to 11th Street SE. Consists of full replacement of curb and gutter, surfacing, driveways, and restoration.	
Construction Fund	\$62,000.00	Original Construction	2023		
Special Assessment	\$10,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$2,000.00			<b>Project History</b> Rosewood Street was last surfaced in 1975 and seal coated in 1986. Pavement is 44 years old and has served its effective life expectancy.	
Storm Water Utility	\$0.00	<b>Project Length</b>			
Water Fund (BPU)	\$0.00	Miles	0.06		
Other	\$0.00				
<b>Total Project Cost</b>		<b>\$64,000.00</b>			
<b>Justification</b>					
Pavement score in 2018 is 1.82/4.0. Curb rating in 2018 is 2.0/4.0. Pavement is showing signs of distress and failure through cracking and localized potholing. Curb is not B-style curb and is heaving and broken in multiple locations.					
<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
	Oakridge Road Resurfacing	Pavement Reconstruction	Engineering	Street	2023
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2022	Resurfacing of Oakridge Road from Beech Street to 28th Street SE. Consists of removal and replacement of gravel and bituminous surfacing. Oakridge Road does not have curb and gutter.	
Construction Fund	\$81,000.00	Original Construction	2023		
Special Assessment	\$10,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00			<b>Project History</b> Oakridge Road was last surfaced in 1975. The street pavement is 45 years old and has served its effective life expectancy.	
Storm Water Utility	\$0.00	<b>Project Length</b>			
Water Fund (BPU)	\$0.00	Miles	0.13		
Other	\$0.00				
<b>Total Project Cost</b>		<b>\$81,000.00</b>			
<b>Justification</b>					
Pavement score in 2018 is 1.75/4.0. Surface is showing signs of distress through alligator cracking and localized potholing.					
<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
	16th Street SE Resurfacing	Pavement Reconstruction	Engineering	Street	2023
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2022	Resurfacing of 16th Street SE between Oak Street and Quince Street. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$87,000.00	Original Construction	2023		
Special Assessment	\$11,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$6,000.00			<b>Project History</b> 16th Street SE was last surfaced in 1971 and seal coated in 1986. Pavement is 48 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>		<b>Project Length</b>			
Pavement scores in 2015 are 1.07/4.0. Curb ratings in 2018 are 3.0/4.0. Pavement is showing severe signs of distress and aging through cracking, potholing, etc.		Miles	0.14		
<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
	Walnut Street Resurfacing	Pavement Reconstruction	Engineering	Street	2023
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2022	Resurfacing of Walnut Street from Oak Street to Breilly Court. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, bituminous and concrete driveway replacement, and restoration.	
Construction Fund	\$106,000.00	Original Construction	2023		
Special Assessment	\$27,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$8,000.00			<b>Project History</b> Walnut Street from Oak Street to Pine Street was last surfaced in 1984 and seal coated in 1987. Walnut Street from Pine Street to Breilly Court was last surfaced in 1990 and seal coated in 1998. Pavement range from 35 to 29 years old.	
Storm Water Utility	\$4,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
<b>Total Project Cost</b>		<b>\$118,000.00</b>			
<b>Justification</b>		<b>Project Length</b>			
Pavement score in 2018 ranges from 1.83/4.0 to 2.26/4.0. Curb ratings in 2018 are 3.0/4.0. Pavement is showing signs of distress and failure through cracking and localized potholing.		Miles	0.17		
<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
	St. Louis Avenue Resurfacing	Pavement Reconstruction	Engineering	Street	2023
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2022	Resurfacing os St. Louis Avenue from 11th Street SE to the dead end. Consists of removal and replacement of existing gravel and bituminous surfacing, spot repair of curb, biutuminous and concrete driveway replacement, and restoration.	
Construction Fund	\$118,000.00	Original Construction	2023		
Special Assessment	\$15,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$6,000.00			<b>Project History</b> St. Louis Avenue from 11th Street SE to 13th Street SE was last surfaced in 1973 and seal coated in 1986. St. Louis Avenue from 13th Street SE to the dead end was last surfaced in 2001. Streets range in age from 18 years to 46 years.	
Storm Water Utility	\$14,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
<b>Total Project Cost</b>		<b>\$138,000.00</b>	<b>Project Length</b>		
		Miles	0.19		
<b>Justification</b>					
Pavement scores in 2018 range from 2.32/4.0 and 2.57/4.0. Curb ratings in 2018 range from 2.50/4.0 to 3.50/4.0. Street pavement is seeing signs of distresses such as cracking, scaling, localized potholing, etc.					
<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
	2023 Seal Coat	Preventative Maintenance	Engineering	Street	2023
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2022	Seal coat of numerous streets.	
Construction Fund	\$150,000.00	Original Construction	2023		
Special Assessment	\$0.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$0.00			<b>Project History</b> Brainerd has had an effective seal coat program for many years.	
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
<b>Total Project Cost</b>		<b>\$150,000.00</b>	<b>Project Length</b>		
		Miles	0		
<b>Justification</b>					
Seal coating is known to extend the life of a street be effectively sealing out moisture in the pavement.					
<b>Site Requirements</b>			<b>Project Impact</b>		
None.			Local impacts to traffic only.		

## CAPITAL IMPROVEMENT PLAN - PROJECT DESCRIPTION

Project #	Project Name	Project Type	Department	Category	Improvement Year
	15th Street SE Resurfacing	Pavement Reconstruction	Engineering	Street	2023
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2022	Resurfacing of 15th Street SE between Oak Street and the dead end. 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	2023		
Special Assessment	\$20,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$10,000.00			<b>Project History</b> 15th Street SE was last surfaced in 1973 and was seal coated in 1986. Pavement is 46 years old and has served its effective life expectancy.	
Storm Water Utility	\$12,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
<b>Total Project Cost</b>		<b>Project Length</b>			
		Miles	0.25		
<b>Justification</b>					
Pavement scores in 2018 are 2.71/4.0. Curb ratings in 2018 are 3.0/4.0. Pavement is showing signs of failure through block cracking, alligator cracking, localized potholing, and other severe distresses.					
<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
	Pine Street Resurfacing	Pavement Reconstruction	Engineering	Street	2023
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2022	Resurfacing of Pine Street from Walnut Street to Beech Street. 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	2023		
Special Assessment	\$40,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$8,000.00			<b>Project History</b> Pine Street was last surfaced in 1983 and seal coated in 1996. Pavement is 33 years old, but poor soils in the area do not allow for full life expectancy of pavements throughout SE Brainerd.	
Storm Water Utility	\$16,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
<b>Total Project Cost</b>		<b>Project Length</b>			
		Miles	0.25		
<b>Justification</b>					
Pavement score in 2018 is 2.13/4.0. Curb rating in 2018 is 3.5/4.0. Pavement is showing signs of distress through alligator cracking and localized potholing.					
<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
	Chicago Avenue Resurfacing and Reconstruction	Total Reconstruction	Engineering	Street	2023
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2022	Resurfacing of Chicago Avenue between 11th and 12th St SE and 13th St SE to dead end. Recon of Chicago Avenue between 12th and 13th St SE. Resurfacing consists of pavement replacement. Reconstruction consists of full replacement of curb and surfacing.	
Construction Fund	\$196,000.00	Original Construction	2023		
Special Assessment	\$30,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$8,000.00			<b>Project History</b> Chicago 11th to 12th last surfaced in 1955. Chicago 12th to 13th last surfaced in 1973. Chicago 13th to end last surfaced in 2001. Chicago 11th to 12th seal coated in 1972. Chicago 12th to 13th sealed in 1986. Pavements range from 18 to 64 years old.	
Storm Water Utility	\$16,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
<b>Total Project Cost</b>		<b>\$220,000.00</b>			
<b>Justification</b>					
Pavement scores in 2018 range from 1.64/4.0 to 2.14/4.0. Curb ratings in 2018 range from 2.0/4.0 to 3.0/4.0. Surface is showing signs of failure through longitudinal and transverse cracks becoming cupped out, localized alligator cracks and potholes.					
<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
	Portland Avenue Resurfacing and Reconstruction	Total Reconstruction	Engineering	Street	2023
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2022	Resurfacing and reconstruction of Portland Avenue from the Spur Line Trail to the dead end. Resurfacing from 13th St SE to dead end and reconstruction from Spur Line Trail to 13th St SE.	
Construction Fund	\$206,000.00	Original Construction	2023		
Special Assessment	\$32,000.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$12,000.00			<b>Project History</b> Portland Avenue from the Spur Line Trail to 11th was last surfaced in 1997. From 11th to 13th was last surfaced in 1973 and seal coated in 1986. from 13th Street to the dead end was last surfaced in 2001. Pavements range from 46 to 18 years old.	
Storm Water Utility	\$10,000.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
<b>Total Project Cost</b>		<b>\$228,000.00</b>			
<b>Justification</b>					
Pavement scores in 2018 ranged from 1.87/4.0 to 2.17/4.0. Curb ratings in 2018 ranged from 2.5/4.0 to 3.0/4.0. Pavement is showing severe distresses, heaving, potholing, and 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
	2023 Sanitary Sewer Replacement Project	Utility	Engineering	Sanitary Sewer	2023
<b>Estimated Cost</b>		<b>Project Schedule</b>		<b>Project Description</b>	
<b>Sources of Funding</b>		Design	2022	Sanitary sewer replacement project. Location to be determined.	
Construction Fund	\$0.00	Original Construction	2023		
Special Assessment	\$0.00	Current Construction	2023		
Municipal State Aid	\$0.00				
Sanitary Sewer Fund	\$340,000.00				
Storm Water Utility	\$0.00				
Water Fund (BPU)	\$0.00				
Other	\$0.00				
<b>Total Project Cost</b>		<b>\$340,000.00</b>			
<b>Justification</b>		<b>Project Length</b>		<b>Project History</b>	
Sanitary sewer line determined to be aging and a frequent maintenance issue.		Miles	0		
<b>Site Requirements</b>		<b>Project Impact</b>			
None				Local impacts only.	