

CITY OF RAPID CITY
CAPITAL IMPROVEMENT PLAN
(CIP)
2017-2022
TABLES AND MAP





CITY OF RAPID CITY

RAPID CITY, SOUTH DAKOTA 57701-2724

Public Works Department

300 Sixth Street
Telephone: (605) 394-4165
FAX: (605) 394-6636
Web: www.rcgov.org

SUBJECT: Project List and Map
Capital Improvement Plan

DATE: May 23, 2017

To assist you in responding to questions concerning the City of Rapid City's Capital Improvement Plan (CIP), enclosed please find a CIP project map and project list. The map and list contain all the City of Rapid City's CIP projects for 2017 through 2022 as of May 2017. The map and list will be updated annually or as significant changes occur.

The Capital Improvement Plan (CIP) tables display: Project Name, CIP Project Number, Initial Year of Construction and Estimated Project Cost. The estimated project cost includes design and construction estimates. Two tables are provided. The first table is sorted alphabetically by the Project Name and the second table is sorted numerically by the CIP Project Number. The CIP Map displays the approximate location of the projects. If you have specific questions about a project, detailed descriptions are available upon request.

If you have questions concerning these items, please contact Engineering at (605) 394-4154.



EQUAL OPPORTUNITY EMPLOYER

Capital Improvement Plan
(CIP)
2017-2022

Project Name	CIP #	Year	Estimated Project Cost
12" High Pressure Water Main Imp	51016	2019	\$ 165,000.00
12th Street Bridge Repairs	51139	2018	\$ 46,000.00
12th Street Reconstruction St. Joseph St to Fulton St.	50927	2020	\$ 2,715,000.00
38th Street Reconst.	50716.1	2018	\$ 2,175,398.00
38th Street Reconst.	50716.2	2018	\$ 1,425,398.00
ADA Compliance Project	50761	Annual	\$ 60,000.00
Adams St Water Main	50960	2019	\$ 340,000.00
Airport 12" Water Main Valve Replacement	51038	2021	\$ 165,000.00
Anamosa St Reconstruction, Midway to Milwaukee	50559	2017	\$ 4,725,425.00
Annual Channel Replacement/Improvement	51051	Annual	\$ 600,000.00
Annual Detention Facility Replacement/Improvement	50983	Annual	\$ 600,000.00
Annual Miscellaneous Drainage Replace/Improve	51050	Annual	\$ 300,000.00
Arrowhead 10" Watermain Loop	50281	2022	\$ 75,000.00
Baldwin Street Reconstruction, Wentworth-Wedgewood	50822.1-1	2017	\$ 2,397,229.00
Big Sky Repair	51160	2017	\$ 1,110,000.00
Box Elder Drainage Basin Element S113 Improvement	50934	2017	\$ 25,000.00
Bridge Inspections	50630	Annual	\$ 9,500.00
Bridge Maintenance	50752	Annual	\$ 170,000.00
Cambell Street Box Culvert Outlet Repair	51035	2017	\$ 68,658.00
Cambell Street MH Replacement	50875	2019	\$ 70,000.00
Cathodic Protection Technical Services	51087	2017	\$ 9,573.00
Catron Blvd Widening Project	51115	2018	\$ 1,313,404.00
Cherry Ave Bridge Repair	51140	2017	\$ 30,000.00
Cobalt Drive SS Bypass	50957	2017	\$ 38,472.00
Collector & Arterial Street Maintenance	50798	Annual	\$ 280,000.00
Commerce Rd SS Ext	51090	2017	\$ 102,287.00
Creek Drive Bridge Repair	51154	2017	\$ 72,680.56
Dakota Dr Water Main Reconstruction	50399	2020	\$ 1,691,916.00
Deadwood Ave	50437	2019	\$ 2,200,000.00
Detailed Studies of FEMA SFHA	51057	2017	\$ 15,978.00
Disk and Haines Intersection	51121	2019	\$ 383,000.00
Dyess Avenue Reconstruction	50934	2017	\$ 158,708.00
E Custer St Milwaukee to Racine	50918	2017	\$ 1,919.18
East Anamosa Storm Sewer Repair	51153	2020	\$ 60,000.00
East Fairmont	51058	2019	\$ 175,000.00
East North St. Reconstruction, Rapid Creek to Herman	50866	2018	\$ 8,790,791.00
East Rapid City Water System Exp	50964	2017	\$ 806,886.00
East St. James 12" Water Main Loop	50917	2018	\$ 130,000.00
East Watertown St Watermain Replacement	51076	2022	\$ 200,000.00
Elk Vale Lift Station Gravity & Force Main	50729	2019	\$ 3,750,000.00
Elk Vale Minnesota Signal Installation	51157	2017	\$ 480,000.00
Elm Ave Extension	50254	2017	\$ 860,000.00
Elmhurst	51098.1	2021	\$ 402,200.00
ERCWSE: Airport Water Trans Main Cost Recovery	50964.G	2017	\$ 1,603,000.00
ERCWSE: Anderson Rd	50964.B	2017	\$ 821,693.00
ERCWSE: Mesa View Reconstruction	50964.F	2017	\$ 171,486.00
ERCWSE: Morris Ln	50964.C	2017	\$ 448,097.00
ERCWSE: Southside Drive	50964.A	2017	\$ 560,232.00
ERCWSE: Valley View	50964.E	2017	\$ 1,370,000.00

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Project Name	CIP #	Year	Estimated Project Cost
ERCWSE: WRF Water Main	50964.D	2017	\$ 1,500,000.00
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Erosion Control	50695	Semi-annual	\$ 10,000.00
Fire Hydrant Installation Project-Annual	50808.00	Semi-Annual	\$ 300,000.00
Forest and Juniper	51098.2	2022	\$ 1,138,200.00
Fulton St Sewer Reconstr, 9th to Tompkins	50872	2018	\$ 2,750,289.00
Geotechnical/Infrastructure QA Program	50637	Annual	\$ 25,000.00
Girl Scout Gallery Building Reconst	50341	2019	\$ 1,825,000.00
Gray Fox Ct. Drainage Outlet	51167	2022	\$ 228,000.00
Guardrail Project	51112	2020	\$ 85,000.00
Harley Drive Water Main Oversize Reimbursement	51145	2017	\$ 50,000.00
Highway 44 Diverson Sewer	51093	2019	\$ 3,725,000.00
Idlewild Box Culvert	50715	2020	\$ 450,000.00
Inflow & Infiltration Project 1	50849.1-1	2020	\$ 350,000.00
Inflow & Infiltration Project 2	50849.1-2	2021	\$ 650,000.00
Jackson Blvd & W. Main ST Intersection Reconstruction	50858	2017	\$ 2,020,000.00
Jackson Blvd Util Chapel Ln to Rapid Creek Bridge	50177	2017	\$ 605,556.35
Jackson Blvd Utilities Rapid Creek Bridge-Mt.view SDDOT Agreement	50351.B	2017	\$ 73,621.07
Jolly Lane to Reservoir Rd Trunk Sewer	51005	2017	\$ 3,500,000.00
Kansas City St Low Level Watermain Replacement - West St to West Blvd	TBD	2021	\$ 3,450,000.00
Knollwood Low Level Water Main Abandonment	51073	2017	\$ 146,000.00
La Crosse St Interchange Utility Imp	51108	2019	\$ 455,000.00
Lilac Lane Trench Drain	51151	2017	\$ 12,608.00
Lindbergh Ave Reconstruction	51088	2021	\$ 752,000.00
Main St & St. Joseph St Water Valve Replace	50705	2017	\$ 830,000.00
Mallow Street Radius Reconst	51118	2017	\$ 17,198.00
Manhole Adjustments	50846	2020	\$ 150,000.00
Matching Funds-Sewer Service Lines	50292	Annual	\$ 50,000.00
Matching Funds-Water Service Lines	50294	Annual	\$ 200,000.00
Meade Hawthorne Elements 48	50758	2017	\$ 419,555.00
Meade Sanitary Sewer Manhole Relocation	51162	2017	\$ 10,000.00
Meade Street Watermain Reconstruction	51077	2022	\$ 405,000.00
Miscellaneous Drainage Improvements	51116	2017	\$ 23,364.50
Miscellaneous Improvement Projects (MIP)	50298	Annual	\$ 180,000.00
Mt. Rushmore Rd Reconstruction, Flormann to St James	50867	2017	\$ 1,711,141.00
Mt. Rushmore Rd Reconstruction, St James to Kansas City	50950	2017	\$ 575,408.00
North Maple Ave Reconstruction	51113	2021	\$ 1,867,500.00
Northridge & Stoney Creek Booster Pump Station	50812.CD	2017	\$ 145,410.00
Oak Ave Water Main	51144	2017	\$ 110,196.00
Omaha Street Utilities - Sheffer St to 12th St	50904	2019	\$ 824,975.00
Out-of-the-Dust, Various Locations	50297	Annual	\$ 60,000.00
Oversize Reimbursement Sewer	50293	Annual	\$ 25,000.00
Oversize Reimbursement Stormwater	51049	Semi-Annual	\$ 200,000.00
Oversize Reimbursement Water	50295	Annual	\$ 250,000.00
Oversize Water and Sewr Access Manhole Prairie	51137	2017	\$ 15,700.00
Pavement Rehab East Saint Joseph Street Overlay	51161	2017	\$ 330,000.00
Pinelawn Reservoir	50451	2021	\$ 4,900,000.00
Pressure Reducing Valve Station Facility Plan	50812.E	2017	\$ 27,119.00
Professional Services for Property Acquisition	51056	Annual	\$ 24,000.00

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Project Name	CIP #	Year	Estimated Project Cost
Quincy St Watermain Replacement	50835	2018	\$ 570,000.00
Railroad Signals	50969	2017	\$ 165,400.00
Rapid City Regional Airport Water Trans. Main Loop	50892	2017	\$ 50,000.00
Rapid City Survey Control	51117	2017	\$ 10,485.00
Rapid Valley Sanitary Sewer Bypass	50911	2017	\$ 1,090,000.00
Red Dale Drainage Basin - Priority 1	50987	2022	\$ 1,530,000.00
Red Rocks Booster Pump Station Improvements	50812.B	2017	\$ 1,252,620.00
Reservoir and Booster Station Site Selection	50661	2019	\$ 675,000.00
Reservoir Road Trunk Sewer	50328.1	2017	\$ 2,465,248.00
Revolving Sanitary Sewer Loan Fund	50647	2017	\$ 23,871.00
Robbindale-Fairlane, Willow, Nevada	50421.3-2	2017	\$ 5,771.00
Robbinsdale - Fairlane, Willow, Nevada	50421.3-1B	2018	\$ 640,000.00
Robbinsdale - Fairlane, Willow, Nevada	50421.3-1C	2019	\$ 129,000.00
Robbinsdale - Ivy, E Iowa, E Tallent	50389.4-1	2022	\$ 3,654,000.00
Robbinsdale - Phase 5	50390.5-1	2022	\$ 1,530,000.00
Robbinsdale- Ivy, E Idaho, E Nevada Recon	50421.3-A	2017	\$ 74,832.28
Robbinsdale Phase 5 - Oakland	50390.5-2	2022	\$ 1,325,000.00
Robbinsdale-Ivy, Fairlane, Willow, Nevada, E. Idaho	50421.3-1B	2018	\$ 3,373,000.00
Robbinsdale-Ivy, Fairlane, Willow, Nevada, E. Idaho	50421.3-1C	2019	\$ 3,771,000.00
S Wildwood Reconstruction - Phase 1	50453	2017	\$ 23,839.00
S Wildwood Reconstruction - Phase 2	51003	2021	\$ 3,820,000.00
San Marco Street Reconstruction	50429	2018	\$ 180,000.00
Sanitary Sewer Reconstruction - Alley S of KC	50827	2017	\$ 514,820.00
Seeger Drive Reconst - Dyess Ave to 143rd Ave	50277.1-3	2017	\$ 1,174.00
Seeger Drive Reconst. - 143rd to Lacrosse	50277.1-4	2017	\$ 2,806,864.00
Selador Ranch Reservoir	50289	2018	\$ 7,500,000.00
Sheridan Lake Rd - Corral to Catron	51122	2021	\$ 5,000,000.00
Sheridan Lake Road Reconst - CLD to W Main	50967	2018	\$ 3,228,804.00
Silver Street Interchange Utility Reconstruction	50940	2017	\$ 1,405,142.00
Skyview Dr Watermain Replacement	51072	2021	\$ 1,210,000.00
South Truck Route DBDP - Element 203	51031	2017	\$ 214,127.00
Southeast Area Trunk Sewer Reconst ElmPrairie	50829	2022	\$ 1,750,000.00
Southside Dr Sanitary Sewer Ext	50328.2	2017	\$ 1,754,605.00
St Andrew & St Charles SS & Water Ext. & Reconstruction	50959	2017	\$ 392,276.73
St. Cloud Street Reconstruction	50796	2018	\$ 1,540,599.00
St. Cloud Street Reconstruction - 5th to Highland	51036	2021	\$ 895,000.00
St. Martins Booster Station Upgrade	50449	2022	\$ 2,000,000.00
St. Patrick Street Reconstruction	50456	2020	\$ 1,350,000.00
Street Rehabilitation	50549	Annual	\$ 700,000.00
Street Rehabilitation - Utility Support Fund*	50844	Annual	\$ 1,500,000.00
Stugis Road Area Utility Reconstruction	50824	2018	\$ 2,774,515.00
Sunburst Drive Reconstruction	51004	2020	\$ 2,710,000.00
Tatanka Road Water Main	51152	2017	\$ 92,958.74
Traffic Operations Upgrades	51047	Annual	\$ 180,000.00
Trenchless Sanitary Sewer Rehabilitation	50818	2020	\$ 1,150,000.00
Trunk Sewer Master Plan-E.Blvd to St. Patrick	50878	2019	\$ 1,450,000.00
Una Del Drive	50914	2020	\$ 1,710,000.00
Utility Maintenance Facility	50870	2017	\$ 1,500,000.00
Utility Master Plan	50819	2017	\$ 1,200,000.00

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Project Name	CIP #	Year	Estimated Project Cost
Utility Master Plan Update & Model Recal	50817	2017	\$ 1,111,453.00
Utility Rate Study	50935	2017	\$ 299,696.00
Vista Lake Subdivision	51046	2017	\$ 38,400.00
W. Omaha Utilities Breakout Project	50904.1	2017	\$ 4,477,061.00
Water Distribution SCADA	51067	2017	\$ 974,004.00
Water Rights Acquisition	50303	Annual	\$ 50,000.00
Well 13 (Red Rocks) Well House Construction	50805	2019	\$ 2,050,000.00
Well Electrical Improvements		Annual	\$ 110,000.00
Well No. 9 Electrical Improvements	51146	2017	\$ 100,000.00
West Chicago St Utilities Reconstruction	50448	2018	\$ 1,400,000.00
West Memorial Park Improvements	51083	2017	\$ 605,000.00
West Omaha Water Transmission Main	50457.1	2022	\$ 1,800,000.00
Windslow St Drainage and Nebraska St Sanitary Sewer	50975	2017	\$ 245,829.58
Winners/Crown/Squire/Gallery/Hallmark St Repair	51134	2020	\$ 600,000.00
Wonderland Area St & Utilities (phase 1)	51070.1	2022	\$ 1,991,000.00
Woodlawn Drive Sanitary Sewer Replacement	50623	2019	\$ 1,220,000.00
WRF Aeration Basin Clariflocculator	51129	2018	\$ 4,000,000.00
WRF Boiler and Piping Replacement	51133	2017	\$ 32,500.00
WRF Digester Complex Improvements	51131	2019	\$ 220,000.00
WRF Miscellaneous Projects	51132	2017	\$ 142,500.00
WRF Potable Water Connection	51079	2017	\$ 650,124.00
WRF Process Reliability Improvements Engineering Serv	51141	2017	\$ 1,030,000.00
WRF Replacement - Trickling Filter	50973	2017	\$ 8,733.00
WRF Sludge Processing Facility	51064	2020	\$ 12,070,000.00

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Dakota Dr Water Main Reconstruction	50399	2020	\$ 1,691,916.00
San Marco Street Reconstruction	50429	2018	\$ 180,000.00
Deadwood Ave	50437	2019	\$ 2,200,000.00
West Chicago St Utilities Reconstruction	50448	2018	\$ 1,400,000.00
St. Martins Booster Station Upgrade	50449	2022	\$ 2,000,000.00
Pinelawn Reservoir	50451	2021	\$ 4,900,000.00
S Wildwood Reconstruction - Phase 1	50453	2017	\$ 23,839.00
St. Patrick Street Reconstruction	50456	2020	\$ 1,350,000.00
West Omaha Water Transmission Main	50457.1	2022	\$ 1,800,000.00
Street Rehabilitation	50549	Annual	\$ 700,000.00
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Idlewild Box Culvert	50715	2020	\$ 450,000.00
38th Street Reconst.	50716.1	2018	\$ 2,175,398.00
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Elk Vale Lift Station Gravity & Force Main	50729	2019	\$ 3,750,000.00
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St. Cloud Street Reconstruction	50796	2018	\$ 1,540,599.00
Collector & Arterial Street Maintenance	50798	Annual	\$ 280,000.00
Well 13 (Red Rocks) Well House Construction	50805	2019	\$ 2,050,000.00
Fire Hydrant Installation Project-Annual	50808	Semi-Annual	\$ 300,000.00
Utility Master Plan Update & Model Recal	50817	2017	\$ 1,111,453.00
Trenchless Sanitary Sewer Rehabilitation	50818	2020	\$ 1,150,000.00
Utility Master Plan	50819	2017	\$ 1,200,000.00
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Southeast Area Trunk Sewer Reconst ElmPrairie	50829	2022	\$ 1,750,000.00
Quincy St Watermain Replacement	50835	2018	\$ 570,000.00
Street Rehabilitation - Utility Support Fund*	50844	Annual	\$ 1,500,000.00
Manhole Adjustments	50846	2020	\$ 150,000.00
Jackson Blvd & W. Main ST Intersection Reconstruction	50858	2017	\$ 2,020,000.00
East North St. Reconstruction, Rapid Creek to Herman	50866	2018	\$ 8,790,791.00
Mt. Rushmore Rd Reconstruction, Flormann to St James	50867	2017	\$ 1,711,141.00
Utility Maintenance Facility	50870	2017	\$ 1,500,000.00
Fulton St Sewer Reconst, 9th to Tompkins	50872	2018	\$ 2,750,289.00
Cambell Street MH Replacement	50875	2019	\$ 70,000.00
Trunk Sewer Master Plan-E.Blvd to St. Patrick	50878	2019	\$ 1,450,000.00
Rapid City Regional Airport Water Trans. Main Loop	50892	2017	\$ 50,000.00
Omaha Street Utilities - Sheffer St to 12th St	50904	2019	\$ 824,975.00
W. Omaha Utilities Breakout Project	50904.1	2017	\$ 4,477,061.00
Rapid Valley Sanitary Sewer Bypass	50911	2017	\$ 1,090,000.00
Una Del Drive	50914	2020	\$ 1,710,000.00
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12th Street Reconstruction St. Joseph St to Fulton St.	50927	2020	\$ 2,715,000.00
Dyess Avenue Reconstruction	50934	2017	\$ 158,708.00
Box Elder Drainage Basin Element S113 Improvement	50934.4	2017	\$ 25,000.00
Utility Rate Study	50935	2017	\$ 299,696.00
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Annual Detention Facility Replacement/Improvement	50983	Annual	\$ 600,000.00
Red Dale Drainage Basin - Priority 1	50987	2022	\$ 1,530,000.00
S Wildwood Reconstruction - Phase 2	51003	2021	\$ 3,820,000.00
Sunburst Drive Reconstruction	51004	2020	\$ 2,710,000.00
Jolly Lane to Reservoir Rd Trunk Sewer	51005	2017	\$ 3,500,000.00
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Tatanka Road Water Main	51152	2017	\$ 92,958.74
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Jackson Blvd Utilities Rapid Creek Bridge-Mt.view SDDOT Agreement	50351.B	2017	\$ 73,621.07
Robbinsdale - Ivy, E Iowa, E Tallent	50389.4-1	2022	\$ 3,654,000.00
Robbinsdale - Phase 5	50390.5-1	2022	\$ 1,530,000.00
Robbinsdale Phase 5 - Oakland	50390.5-2	2022	\$ 1,325,000.00
Robbinsdale - Fairlane, Willow, Nevada	50421.3-1B	2018	\$ 640,000.00
Robbinsdale-Ivy, Fairlane, Willow, Nevada, E. Idaho	50421.3-1B	2018	\$ 3,373,000.00
Robbinsdale - Fairlane, Willow, Nevada	50421.3-1C	2019	\$ 129,000.00
Robbinsdale-Ivy, Fairlane, Willow, Nevada, E. Idaho	50421.3-1C	2019	\$ 3,771,000.00
Robbinsdale-Fairlane, Willow, Nevada	50421.3-2	2017	\$ 5,771.00
Robbinsdale- Ivy, E Idaho, E Nevada Recon	50421.3-A	2017	\$ 74,832.28
Red Rocks Booster Pump Station Improvements	50812.B	2017	\$ 1,252,620.00
Northridge & Stoney Creek Booster Pump Station	50812.CD	2017	\$ 145,410.00
Pressure Reducing Valve Station Facility Plan	50812.E	2017	\$ 27,119.00
Baldwin Street Reconstruction, Wentworth-Wedgewood	50822.1-1	2017	\$ 2,397,229.00
Inflow & Infiltration Project 1	50849.1-1	2020	\$ 350,000.00
Inflow & Infiltration Project 2	50849.1-2	2021	\$ 650,000.00
ERCWSE: Southside Drive	50964.A	2017	\$ 560,232.00
ERCWSE: Anderson Rd	50964.B	2017	\$ 821,693.00
ERCWSE: Morris Ln	50964.C	2017	\$ 448,097.00
ERCWSE: WRF Water Main	50964.D	2017	\$ 1,500,000.00
ERCWSE: WRF Water Main (.16)	50964.D	2017	\$ 1,500,000.00
ERCWSE: Valley View	50964.E	2017	\$ 1,370,000.00
ERCWSE: Mesa View Reconstruction	50964.F	2017	\$ 171,486.00
ERCWSE: Airport Water Trans Main Cost Recovery	50964.G	2017	\$ 1,603,000.00
Kansas City St Low Level Watermain Replacement - West St to West Blvd	TBD	2021	\$ 3,450,000.00
Well Electrical Improvements		Annual	\$ 110,000.00