

CITY OF ANN ARBOR
FY2021 – 2026 CAPITAL IMPROVEMENTS PLAN (CIP)
(Adjustments to FY2020 – 2025 CIP)

Background

The City of Ann Arbor Capital Improvements Plan (CIP) is used as a tool to implement the City Master Plan and assist in the City's financial planning. The CIP outlines a schedule of public expenditures for a six-year period. It does not address all of the capital expenditures for the City, but provides for large, physical improvements that are permanent in nature that are needed for the functioning of the community, including transportation, parks, utilities, and municipal facilities improvements.

The CIP provides a list of high value capital budget items or projects for inclusion in the proposed Capital Budget or the proposed Operations and Maintenance (O & M) Budget of the City's Annual Budget Document. The City utilizes a 2-year budget cycle process where every two years a detailed two-year budget for both operating and capital expenditures is prepared. By city charter, the City Council can only approve a one-year budget. So for the second year of each 2-year budget cycle, the Council reviews and approves adjustments to the second budget year.

As the CIP is coordinated with the capital projects portion of the budget, the CIP is handled in a similar manner. Every two years a six-year plan is completed based on the needs of the city and the community, and the available resources to perform the projects necessary to address those needs. This was performed for the FY2020-2025 CIP and approved by the Ann Arbor City Planning Commission on January 15, 2019. This year, the CIP consists of an update to those projects in the plan that will affect the 2021 fiscal year (FY2021).

Projects

In reviewing the current FY2020-2025 CIP for projects that will affect FY2021, staff was charged with examining the projects in the first year of the plan (FY2020) which we are currently in, and **those in the second year (FY2021) which will begin on July 1, 2020 and to determine which projects:**

1. ***Have a revised estimated project cost from that in the current plan.*** If the total project costs affecting a particular funding source are adjusted, with either an increase or decrease, it could impact that funding source and require adjustments within the plan for FY2021. This could require some project schedules to be adjusted to other years, or some projects to be moved to an "unfunded" status.
2. ***Have an adjusted schedule compared to that in the current plan.*** Project schedules can require adjustment for several reasons, such as: delays encountered during earlier stages of the project; opportunities for outside or improved project funding if projects are advanced or delayed; reduced resources; modified priority of the particular project; decisions made by City Council in conjunction with the FY2020 capital budget approval; or because of need to adjust the schedule of related projects.
3. ***Need to be added to or deleted from the plan.*** The conditions and needs of the City's various capital infrastructure systems are dynamic and change over time, even within the relatively short time of a year. As a result, there are some new needs that have been identified between the approval of the FY2020-2025 CIP and the adjustments proposed

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in this FY2021-2026 CIP which necessitate new projects that require funding in FY2021, or perhaps even in FY2020. Conversely, there may be needs previously identified which may no longer be present, or some projects may have already been completed. Thus, some projects in either FY2020 or FY2021 may be eliminated. Any new needs that can be deferred until at least FY2022 are not added to the CIP at this time, nor are any projects beyond FY2021 eliminated. These items will be reviewed and considered during the next full CIP planning process in the fall of 2020.

There were 443 projects/needs contained in the FY2020-2025 CIP, with 160 of those needing funding in FY2020 and/or FY2021. There are 14 new projects being added, 9 being eliminated and a number of projects moving into or out of the FY2020-FY2021 window for a net total of 171 projects needing funding in FY2020 and/or FY2021.

Adjustments to FY2021

Original funding need for FY2021 was \$77,633,000. The total adjusted funding need for FY2021 is \$116,117,000. This total funding need amount is \$28,485,000 above that included in the FY2020-FY2025 CIP for FY2021, an increase of about 37%.

Some of the significant contributors to the FY2021 increase include:

1. Delay of FY2020 projects in whole or in part into FY2021 often due to increased overall costs.
2. Significant increases to sanitary sewer lining projects due to adoption of non-styrene materials.
3. Increased costs for the Allen Creek Berm Opening project.
4. New water plant projects and increased costs for previously programmed projects.
5. Significant additional DDA investment in the downtown area.
6. Costs of new projects, most a result of unexpected capital maintenance.
7. Increased street system investment.

Other summary data regarding the adjustments being made to both FY2020 and FY2021 include:

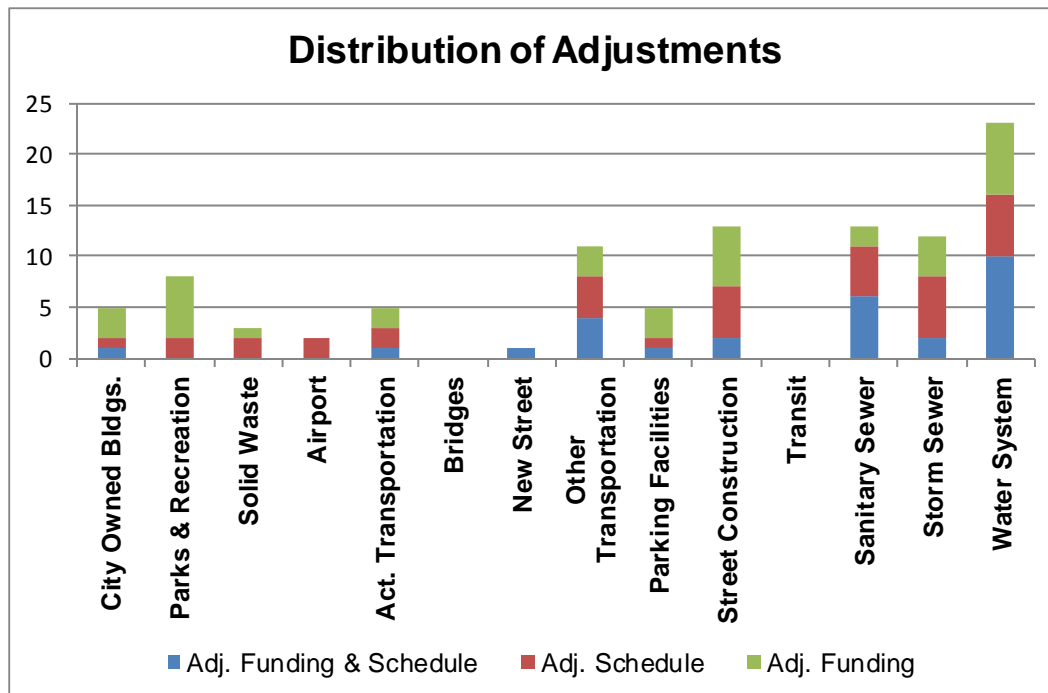
- 37 projects had funding adjustments
- 36 projects had schedule adjustments
- 28 projects had funding and schedule adjustments
- 14 projects are being added to the plan for FY2020 and/or FY2021

The following pages contain tables and charts displaying these and other summary aspects of the CIP adjustments.

Distribution of Adjustments

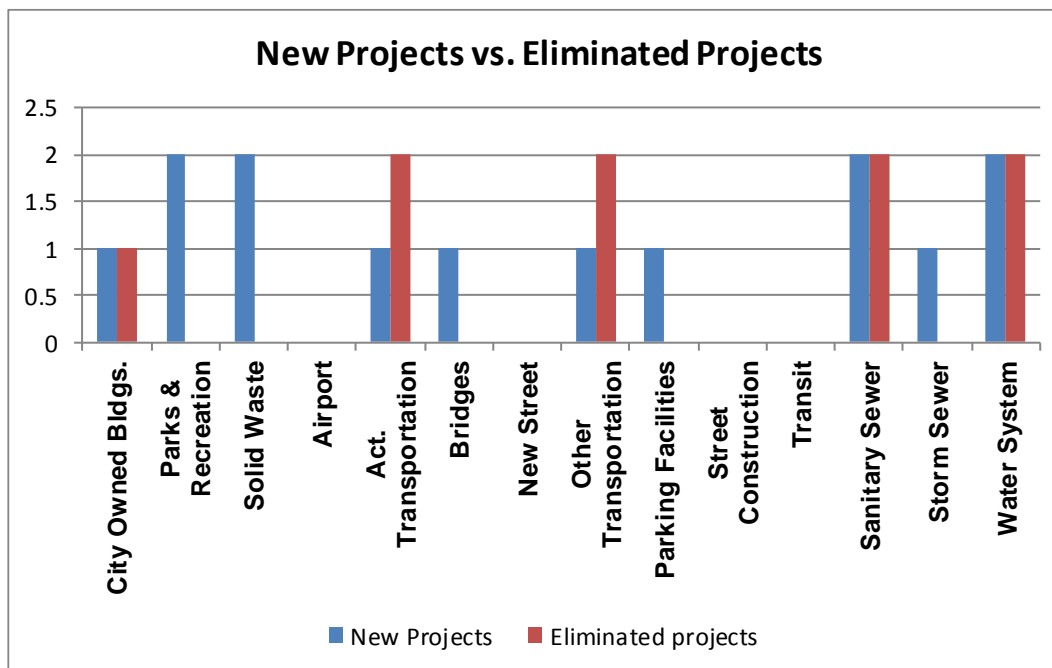
Asset Category	Adj. Funding & Schedule	Adj. Schedule	Adj. Funding
City Owned Bldgs.	1	1	3
Parks & Recreation	0	2	6
Solid Waste	0	2	1
Airport	0	2	0
Act. Transportation	1	2	2
Bridges	0	0	0
New Street	1	0	0
Other Transportation	4	4	3
Parking Facilities	1	1	3
Street Construction	2	5	6
Transit	0	0	0
Sanitary Sewer	6	5	2
Storm Sewer	2	6	4
Water System	10	6	7
Totals:	28	36	37

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New Projects vs. Eliminated Projects

Asset Category	New Projects	Eliminated projects
City Owned Bldgs.	1	1
Parks & Recreation	2	0
Solid Waste	2	0
Airport	0	0
Act. Transportation	1	2
Bridges	1	0
New Street	0	0
Other Transportation	1	2
Parking Facilities	1	0
Street Construction	0	0
Transit	0	0
Sanitary Sewer	2	2
Storm Sewer	1	0
Water System	2	2
Totals:	14	9



FY2020 - FY2021 CIP Modifications by Nature of Change

Projects Added: (14)

MF-CB-21-01: Guy C Larcom Municipal Building: HVAC Modernization (FY21-FY22)
 MF-PR-21-01: Argo Dam Gate Repair and Coating (split from MF-PR-13-03)
 MF-PR-21-02: Veteran's Park Skatepark Lighting (FY21)
 MF-SW-21-01: Solid Waste Detention Pond Capital Maintenance (FY20-21)
 MF-SW-21-03: Transfer Station Concrete Floor Repair (FY21)
 TR-AT-21-01: Asphalt Sidewalk Repair (Split from TR-AT-13-01)
 TR-BR-21-01: Broadway and Fuller Rd Bridge Capital Maintenance (FY20)
 TR-OT-21-S1: Curbside Management Study (FY21)
 TR-PF-21-S1: Parking Facility Energy Assessment (FY21)
 UT-SN-20-14: John Street Sanitary Sewer (FY19-20)
 UT-SN-21-01: South University (State to E University) Sanitary Sewer Improvements (FY20)
 UT-ST-21-01: First and Ashley Stormwater Improvements (Lower Allen Creek) (FY20-FY21)
 UT-WS-21-01: WTP: Filter Pipe Gallery Emergency Repairs
 UT-WS-21-02: WTP: Filter Backwash Improvement Project

Projects Eliminated: (9)

MF-CB-20-01: Fire Station 1 Remodel
 TR-AT-18-05: Safe Routes to School: Northside STEAM
 TR-AT-19-06: School Safety: Fuller Rd. Sidewalk Gap
 TR-OT-20-09: Accessible Pedestrian Signals (incorporate into projects as needed)

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TR-OT-20-16: Ann Arbor Railroad Quiet Zone
UT-SN-16-08: Barton Dr (east of M-14 ramp) Sanitary Sewer Extension
UT-SN-20-11: Sanitary Sewer Infiltration Mitigation (rolled into UT-SN-10-05)
UT-WS-18-50: Hill St (Adams to Fifth) Water Main Upsizing (rolled into UT-WS-16-31)
UT-WS-20-08: Broadway Water Main Consolidation (Maiden Lane to Jones)

Projects with Funding Adjustments (37)

MF-CB-17-01: Housing Commission: 701 Henry (+\$200,000 in FY20 for sustainability efforts)
MF-CB-18-05: Fire Station 4 Replacement (+\$450,000 in FY21 and net + \$285,000 in total in outer years)
MF-CB-19-01: Housing Commission: 3401-3481 Platt (+\$980,000 in FY20 for sustainability efforts)
MF-PR-08-07: Tennis & Basketball Court Renovations (+\$350,000 in FY21)
MF-PR-08-21: Recreation Facility Updates and Infrastructure Repairs (+\$150,000 in FY21)
MF-PR-10-01: Playgrounds and Neighborhood Park Improvements (+\$50,000 in FY21)
MF-PR-10-02: Parks Roads, Bridges and Parking Lots (+\$150,000 in FY21)
MF-PR-10-06: Trails & Pathways - Repairs & Reconstruction (+\$200,000 in FY21)
MF-PR-13-03: Dams: Geddes Gate Coating and Repair (+\$200,000 in FY20)
MF-SW-12-01: Landfill Entrance Improvements (+\$1,160,000 in FY20)
TR-AT-13-01: Annual Sidewalk Repair and Curb Ramp Program (-\$354,000 in FY20-FY21)
TR-AT-19-04: Treeline Implementation (+\$80,000 in FY20)
TR-OT-18-07: State St (Washington to William) Streetscape (+\$920,000 in FY20-FY21 and + \$2,000,000 overall)
TR-OT-18-09: First and Ashley (Kingsley to Madison) Two Way Restoration and Streetscape (-\$835,000 in FY20 and FY21)
TR-OT-20-05: Streetlight Capital Maintenance (+\$240,000 in FY20-FY21)
TR-PF-11-02: Parking Equipment (+\$2,870,000 in FY21)
TR-PF-15-02: Vehicle Charging Stations (+15,000 in FY20 and \$15,000 in FY21)
TR-PF-16-11: Ann Ashley Parking Structure Capital Maintenance Phase 2 (+\$300,000 in FY21)
TR-SC-13-07: Annual Local Street Resurfacing Program (ASRP) (+\$3,253,000 in FY20)
TR-SC-15-02: Annual Capital Street Maintenance Program (+\$5,269,000 total in FY20-FY21)
TR-SC-16-07: Hoover (Main to State) and Greene Resurfacing (+\$421,300)
TR-SC-18-16: South University (State to E University) Resurfacing (-\$57,000)
TR-SC-20-11: Granger (State to Packard) Resurfacing (+\$660,000)
TR-SC-20-21: Plymouth Rd (Nixon to Murfin) CPM (\$+400,000 in FY20)
UT-SN-14-05: WWTP: Lift Station Repair/Replacement Program (+\$850,000 in FY20)
UT-SN-20-S1: Capital Recovery Charge Study – Sanitary
UT-ST-10-13: Flood Mitigation Implementation Grant Matching (-\$300,000 in FY20-FY21))

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UT-ST-18-01: Edgewood/Snyder SWMM Area Stormwater (+\$100,000 in FY20 and +\$3,297,000 in outer years)
UT-ST-18-11: Scio Church (Maple to 7th) Stormwater Improvements (+\$350,000)
UT-ST-20-02: Hollywood (Maple to Allison) Stormwater Improvements (+\$16,000)
UT-WS-04-07: Cedar Bend (Lower) Water Main Replacement (-\$80,000)
UT-WS-14-07: Liberty (Crest to Seventh) Water Main Replacements (+\$540,000)
UT-WS-16-09: Longshore, Indianola, Ottawa, Argo & Amherst Water Main Replacement (-\$1,215,000)
UT-WS-16-31: Hoover (Main to State) Water Main Upsizing (+\$2,100,000)
UT-WS-18-55: Scio Church (Winsted to Welch) and Waltham to Covington Consolidation (+\$25,000 in FY21)
UT-WS-18-52: WTP: Ammonia Building Improvements (+\$50,000 in FY20)
UT-WS-20-06: Ashley Water Main Consolidation (+\$515,000 of DDA funds)

Projects with Schedule Adjustments (36)

MF-CB-19-01: Housing Commission: 1504-1508 Broadway (FY19-FY20 to FY19-FY21)
MF-PR-12-03: Farmers Market Winter Enclosure and Infrastructure Improvements (spread from FY20 to FY20-FY21)
MF-PR-20-S1: Parks ADA Study (moved to FY21)
MF-SW-18-01: Termination of Public Street Dead Ends (Solid Waste) (FY19 to FY20)
MF-SW-06-03: Drop-off Station (Moved FY21-FY23 to FY22-FY23)
TR-AP-03-10: Terminal Auto Parking Lot Expansion (FY21-FY22 to FY22-FY23)
TR-AP-10-04: Runway Safety Extension (FY21 to FY21-FY22)
TR-AT-14-08: Border to Border Trail: Bandemer to Barton Connection (FY21-FY22 to FY22-FY23)
TR-AT-18-23: Jackson (West of Highlake) Pedestrian Crossing (FY19 to FY22)
TR-OT-18-05: Stadium, Maple, Fuller, Huron Pkwy SCOOT Expansion (FY19 to FY20-FY21)
TR-OT-20-04: Streetlights: Packard (State to Stadium) (FY20 to FY22)
TR-OT-20-06: Central Signal System Software Upgrades (FY20 to FY21)
TR-OT-20-11: N University at CCTC Pedestrian & Transit Accessibility (FY20 to FY21)
TR-PF-19-01: Ann Ashley Parking Structure Expansion (FY18-FY20 to FY18-FY22)
TR-SC-16-02: W Huron Alley Repair and Improvements (FY21 to FY25)
TR-SC-16-15: Traverwood (Plymouth to Huron Pkwy) Resurfacing (FY19 to FY20)
TR-SC-16-20: Stone School Rd (Eisenhower to I-94) Resurfacing (FY19 to FY20)
TR-SC-20-01: Downtown Alley Improvements (FY20 to FY21)
TR-SC-20-05: Liberty (Stadium to Crest) (FY19 to FY20)
UT-SN-16-12: Sanitary Manhole Lid and Casting Sealing Program (FY17-FY19 to FY17-FY20)
UT-SN-19-01: Huron/West Park Sanitary SSWWEP Improvements (DOM) (FY20-22 to FY20-23)
UT-SN-20-S2: Original High Level Sanitary Sewer Evaluation (FY20 to FY22)
UT-SN-20-05: WWTP: Tertiary Clear Well Wall Replacement (FY20 to FY20-FY21)
UT-SN-20-08: Swift Run Interceptor Lining (FY20 to FY20-FY21)
UT-ST-20-10: Huron Pkwy at Hubbard Area Millers Creek Outfall (FY20 to FY20-FY21)

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UT-ST-16-03: Millers Creek Channel Modification - Reach D (Pepper Pike) (FY20 to FY21)
UT-ST-16-08: Churchill Park/Eisenhower ROW Basin (FY20 to FY22)
UT-ST-18-10: Placid Way Culvert and Headwall Replacement (FY20 to FY20-FY21)
UT-ST-18-15: Arboretum Culverts and Headwalls (School Girls Glen) (FY20 to FY20-FY21)
UT-ST-20-05: Detention Basin Restoration/Reconstruction (FY20-FY21 to FY21-FY22)
UT-WS-06-07: WTP: Geddes and South East District Control Valve (FY20-FY21 to FY23-FY24)
UT-WS-18-19: WTP: Barton Pump Station Raw Water Transmission Pipe Repairs (FY21-FY23 to FY23-FY25)
UT-WS-18-26: Page Ave (King George south to end) Water Main Replacement (FY20-FY21 to FY23-FY24)
UT-WS-18-32: WTP: Metering of Pressure Districts (FY21-FY23 to FY23-FY25)
UT-WS-20-01: Dams: Barton Air Shaft Reconstruction (FY19-FY22 to FY20-FY23)
UT-WS-20-S1: Water Model Update (FY20 to FY22)

Projects with Both Funding and Schedule Adjustments (28)

MF-CB-18-03: Fire Station 3 Replacement (FY20-FY23 to FY23-FY25 and + \$285,000 in later years)
TR-AT-18-10: Nixon (Westbury Ct to Traver Blvd) Sidewalks (FY20 to FY20-FY21) and +\$99,635)
TR-NS-20-01: Hollywood (Maple to Allison) Paving (FY20 to FY20-FY21 and +\$425,000)
TR-OT-10-06: Bird Road Retaining Wall (FY19 to FY20 and + \$150,000)
TR-OT-20-02: Streetlights: Ann Arbor Saline Rd Corridor (FY23 to FY20 (phase 1) and +\$100,000 in FY21)
TR-OT-20-S1: Lower Town Area Mobility Study (FY19 to FY20-FY21 and -\$150,000)
TR-OT-20-S2: Signal Timing Optimization (FY19 to FY20-FY21 and -\$130,000)
TR-PF-20-01: Maynard Parking Structure Office Build Out (FY19 to FY21 and +\$100,000)
TR-SC-20-12: First and Ashley (Kingsley to Madison) and Kingsley (Main to First) Street (+\$1,113,000 and FY20-FY21 to FY20-FY22)
TR-SC-20-20: Geddes Road (Church to Observatory) Resurfacing (+\$15,000 and FY19 to FY20)
UT-SN-03-29: Southside Interceptor Rehabilitation (breaking into multiple phases; through FY25 for completion and + \$11,000 overall; Phases 5 and 6 active in FY20-FY21)
UT-SN-14-01: Glen/Fuller Diversion (DOM) (+\$1,325,600 and FY19-FY20 to FY19-FY21)
UT-SN-16-13: High Level Trunkline Sanitary Sewer Rehabilitation (FY19-FY22 to FY19-FY24 and +\$1,473,000 in FY20-FY21)

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- UT-SN-18-05: Medical Center Drive Sanitary Manhole Access (FY21 to FY20 and - \$180,000)
- UT-SN-20-06: WWTP: Screening and Grit System Replacement (FY20-FY21 to FY20-FY22 and + \$3,925,000)
- UT-SN-20-07: WWTP: Access Bridge Replacement (From beyond 2025 to FY20-FY23 and +\$35,000)
- UT-ST-16-02: Allen Creek Railroad Berm Opening (FY17-20 to FY17-FY21 and + \$2,078,280)
- UT-ST-19-02: Hoover and Greene St Stormwater Improvements (AC) (FY18-FY19 to FY18-FY20 and +\$400,000)
- UT-WS-01-30: South Boulevard Water Main (Packard to Dead End) (FY19 to FY19-FY21 and +\$650,000)
- UT-WS-08-04: WTP: Structural Repairs Project Phase 2 (FY18-FY21 to FY18-FY20 and +\$739,000)
- UT-WS-14-17: Water Meter and MTU Replacement Program (FY19-FY22 to FY19-FY21 and -\$1,032,000)
- UT-WS-16-05: Mosely (Main to 3rd), 3rd (Mosley to Madison) & Wilder Pl Water Main Upsizing (FY19-FY20 to FY22-FY23 and +\$525,000 in outer years)
- UT-WS-16-18: WTP: Residuals Handling Project (FY19-FY20 to FY19-FY23 and +\$1,078,000 net in outer years)
- UT-WS-16-19: WTP: Programmable Logic Controllers Replace. & Dam Security Upgrades (FY19-FY21 to FY19-FY22 and +\$2,908,000)
- UT-WS-16-26: Dams: Barton Dam Embankment Rehabilitation (FY19-FY22 to FY19-FY23 and +\$1,950,000)
- UT-WS-18-04: Bucholz Ct Water Main Replacement (FY19 to FY19-FY20 and - \$44,000)
- UT-WS-18-31: WTP: Architectural and Structural Improvements Ph. 3 (FY23-FY24 to FY21-FY23 and +\$670,000)
- UT-WS-20-03: WTP: Interim UV Disinfection Project (FY19-FY20 to FY19-FY21 and +\$940,000)