



Accolades *Broomfield Awards & Achievements*

STARBURST AWARD

The Colorado Lottery has selected Broomfield's [Ruth Roberts Connector Trail](#) as one of 22 projects for its 2016 Starburst Award. The Starburst Awards recognize projects for their inventiveness and inspiration. It also recognizes excellence in the use of Lottery funds for community and conservation projects.

“The Starburst Award projects are a reflection of Colorado’s commitment to the enhancement and protection of our beautiful outdoors,” said Lottery Director Laura Solano. “The Lottery is proud to recognize the 2016 Starburst Award winners for their creativity and vision in their respective projects and their economic, and social impact on their communities.”



SERGEANT BRENDAN SULLIVAN NAMED SCHOOL RESOURCE OFFICER OF THE YEAR
The [Colorado Association of School Resource Officers](#) (CASRO) recognizes Sgt. Sullivan for making a significant difference in the lives of children of the Boulder Valley School District. Congrats! (See the [facebook post](#))



Youth Engagement *Events and projects with Broomfield area youth*

SISTER CITY DELEGATION IN UEDA, JAPAN

The “Friendship City” Relationship states the Sister City Delegation program’s intent is to:

- Provide opportunities for city officials and citizens to experience and explore other cultures through long-term community partnerships.
- Create an atmosphere in which economic and community development can be implemented and strengthened.
- Stimulate environments through which communities will creatively learn, work, and solve problems together through reciprocal cultural, educational, municipal, business, professional and technical exchanges and projects.



The 2016 Delegation arrived home to Broomfield on August 12 after another great visit!

[View facebook photo album](#)

[Visit @broomfieldsistercities facebook page](#)



Community Engagement

| JULY WORKFORCE CENTER | |
|--------------------------|-----------|
| MULTI-INDUSTRY JOB FAIR | ATTENDEES |
| July Job Fair | 71 |
| EMPLOYMENT FIRST PROGRAM | ATTENDEES |
| July | 26 |

| WORKFORCE CLASS TITLE | ATTENDEES |
|---------------------------------------|-----------|
| Manufacturing Job Boost | 33 |
| Workforce Services & Job Search Tools | 23 |
| Resume & Cover Letter Workshop | 15 |
| Soft Skills Workshop: Professionalism | 11 |
| Myers-Briggs Workshop | 8 |
| Intensive Interview Workshop | 6 |
| Resume Critique | 6 |
| The Interview Workshop | 4 |
| Social Security Disability Benefits | 2 |

WORKFORCE CLASSES

Opportunities to learn about today's job strategies.

HIRING EVENTS

Weekly opportunities to seek employment with local businesses in multiple sectors/industries.

EMPLOYMENT FIRST PROGRAM

A work-readiness program for qualified food stamp (SNAP) recipients to attend class and volunteer to maintain benefits.

VOLUNTEER APPRECIATION DINNER AT THE BAY

Using the [National Value of Volunteer Time](#), the following Broomfield volunteer efforts were put into dollars last year:

- More than **19,000 VOLUNTEER COACH HOURS**, which translates to about \$453,000 in economic value to the community.
- **6,613 MUSEUM VOLUNTEER HOURS** for an estimated economic contribution of \$155,802.
- **10,066 SENIOR SERVICES VOLUNTEER HOURS**, valued at \$237,155 of economic contribution.
- **2,322 POLICE VOLUNTEER SERVICE HOURS** in 2015, for an estimated economic contribution of \$54,706.
- Approximately **1,300 PARKS, OPEN SPACE AND TRAILS VOLUNTEER HOURS**, for an estimated \$30,628 in contributed value. ([source](#))

To show appreciation for all the hard work, the Broomfield Bay hosted an Appreciation Dinner on August 10 for all Broomfield Volunteers and their families!

250 PEOPLE
ATTENDED

NATIONAL NIGHT OUT

National Night out was a safety interactive learning party complete with Emergency vehicles and dump trucks on display, a K9 demonstration, water safety demo, Air Life helicopter landing, vehicle crash extractions, and the grand finale where two set-up rooms are lit on fire to compare the benefits of a home sprinkler system.

1500 PEOPLE
ATTENDED

[View photo album](#)

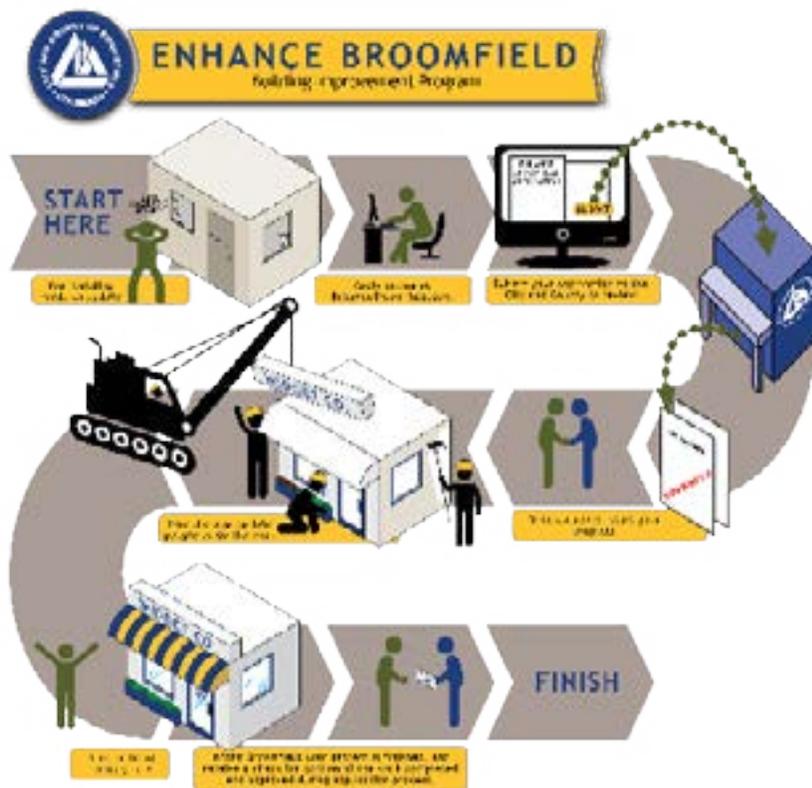




Economic Development.....

ENHANCE BROOMFIELD PROJECTS FUNDED:

- **L.O.R.P. REAL ESTATE INVESTMENT COMPANY** (2810 Industrial Lane): Repainting the building
- **WONDERLAND BREWING COMPANY** (5450 West 120th Avenue): Replace windows
- **POSOKO INVESTMENTS** (165 Commerce Street): New gutters, siding repairs and painting
- **EAGLE TRACE GOLF CLUB** (1200 Clubhouse Drive): Repave Parking Lot



Creative Broomfield.....

PUBLIC ART:

Vote for **Broomfield's Choice** until November 15 [Vote now!](#)

A new Art Piece installed in the HHS lobby completes the HHS Public Art Project Balance in Motion. [Watch video](#)

EVENTS:

[Jazz Series](#): Wednesdays at 7 p.m., at the Broomfield Auditorium.

The Music of Duke Ellington and Billy Strayhorn : Sept. 7. *Admission: \$7 / \$10*

The Importance of Being Earnest: September 10 and 11. [Tickets](#)

Visit CreativeBroomfield.com for more cultural and creative events.





Community Development CIP Status Report

This is the update for the month of August for Capital Improvement Program (CIP) projects. A financial table is presented for each project under construction shown in the report. The "Amount Spent to Date" in the financial tables for each project is based upon information through August 1, 2016. Council has received these informational reports on a monthly basis since July 2003.

PROJECTS UNDER CONSTRUCTION

120TH AVENUE CONNECTION - FINAL PHASE

Status:

The 120th Avenue Connection Project connects SH 128/Wadsworth Parkway with West 120th Avenue. The initial phases of the project were completed in 2010. Following prolonged negotiations with the Burlington Northern Santa Fe (BNSF) Railroad, construction of the final phase began in April 2015. The total cost of the final phase is \$28.2 million. Broomfield's share will be \$6.6 million, and the balance (\$22.2 million) will come from federal and state funds.

Important features of the final phase of the project include:

- Completing the final ¼ mile of roadway;
- A new railroad structure over SH 128;
- Relocation of the railroad siding west of Nickel Street to decrease crossing delays;
- Computer controls allowing for Quiet Zones, once additional safety measures are complete;
- One-half mile of new storm sewer at Main Street;
- One-half mile of new road overlay on eastbound 120th Avenue; and
- A new signalized intersection at approximately Upham Street and West 120th Avenue.



Storm sewer installation west of Main Street is mostly complete, but is temporarily on hold as plans are being revised to eliminate a deep Water Quality Manhole Structure. This revision will save money and help avoid disturbing contaminated soils. The installation of the last stretch of storm sewer pipe in W. 120th Ave/US287 will move forward when this revision is approved. While awaiting the above revisions, work continues on the approaches to the bridge structure for BNSF over the new SH 128.

Nickel Street Quiet Zone improvements are under construction and all work should be complete in September. Once constructed, BNSF will be asked to cease train horns at the Nickel Street crossing.

| 120 th Avenue Connection - Final Phase | |
|------------------------------------------------------|-------------|
| Financial: | |
| Current Budget (Broomfield's Share) | \$6,600,000 |
| Committed Costs | \$6,600,000 |
| Amount Spent to Date | \$1,606,666 |
| Amount Remaining (Original Budget - Committed Costs) | \$0 |
| Project Schedule (Construction): | |
| Percent Complete | 24% |
| Anticipated Completion Date | Early 2018 |



CommDev CIP Status Report, Continued.....

BROOMFIELD COUNTY COMMONS: FIELD RENOVATION AND COMPLETION

Status:

The synthetic turf on the Yellow Pod is complete and play began April 1. The Championship Field was open for play in mid-May. A ribbon cutting ceremony was held on June 29.

Council approved an agreement for the Green Pod parking lot on April 24. The parking lot has been paved and landscaping work is ongoing. The parking lot is expected to be open by September.

Council has appropriated funding for upgrades to the dog park and the design has been completed. Staff is working with the contractor on the pricing for the project.



| Broomfield County Commons: Field Renovation and Completion | |
|------------------------------------------------------------|-----------------|
| Financial: | |
| Current Budget | \$4,642,282 |
| Committed Costs | \$4,235,432 |
| Amount Spent to Date | \$3,654,219 |
| Amount Remaining (Original Budget - Committed Costs) | \$406,850 |
| Project Schedule (Construction): | |
| Percent Complete - Field Renovation | complete |
| Percent Complete - Green parking lot | 70% |
| Anticipated Completion Date | September, 2016 |

LOWELL SOUTH (120TH AVENUE TO EAST MIDWAY) PROJECT

Status:

The Lowell South Project consists of three major improvement areas. The project will complete the full four-lane road section and landscaping improvements between West 120th Avenue and East Midway Boulevard. Additionally, Lowell Boulevard will be raised above the Nissen Channel between West 120th Avenue and West 121st Place, and a new combined drainage and pedestrian trail underpass will be constructed. This project also ties in with the recently completed CDOT intersection improvements at West 120th Avenue at Lowell Boulevard.

Hamilton Construction and their sub-contractors have been working on the project since January 2015. A project web page has been established to communicate timely traffic changes to the public (broomfield.org/Lowell) and notices are sent via "B in the Loop."

During July and early August concrete trails were constructed within Metzger Farm. Landscape restoration along Brandywine and within the Metzger farm, and along the Nissen channel has progressed. Remaining work includes landscape and landscape irrigation work along the roadside from 120th to East Midway.



| Lowell South Project | |
|------------------------------------------------------|----------------|
| Financial: | |
| Current Budget | \$10,391,743 |
| Committed Costs | \$ 9,647,189 |
| Amount Spent to Date | \$ 7,448,810 |
| Amount Remaining (Original Budget - Committed Costs) | \$ 744,554 |
| Project Schedule (Construction): | |
| Percent Complete | 89% |
| Landscape Irrigation Channel Completion Date | September 2016 |



CommDev CIP Status Report, Continued.....

POLICE AND COURTS SECURITY SYSTEM REPLACEMENT PROJECT

Status:

The Broomfield Police and Combined Courts building was constructed in 2001 and remodeled in phases between 2010 and 2012. The existing security system encompasses cameras, recording equipment, panic buttons, card readers, intercoms and monitoring systems throughout the building. The current system has failed on numerous occasions in the last few years leaving the building vulnerable and unsecure. This project is to replace the security system.

The contractor, CML Security, has procured all the materials and is working on the software programming for the system off site. This will all be tested prior to installation as much as possible to facilitate a smoother and faster installation. On site work includes installing new wiring through the ceilings and walls.

| Police and Courts Security System Replacement Project | |
|-------------------------------------------------------|---------------|
| Financial: | |
| Current Budget | \$ 463,500 |
| Committed Costs | \$ 448,780 |
| Amount Spent to Date | \$ 272,784 |
| Amount Remaining (Original Budget - Committed Costs) | \$ 14,720 |
| Project Schedule (Construction): | |
| Percent Complete | 50% |
| Anticipated Completion Date | November 2016 |

WATER SYSTEM UPGRADES: 144TH AVENUE WATERLINE

Status:

Council approved an agreement with BT Construction for the 144th Avenue Waterline at the April 12 meeting. BT Construction was the successful low bidder. The project was set to start on June 6 when it was determined a pair of Red Tail Hawk were nesting in the open space directly north of 144th Avenue. It was recommended by Smith Environmental that the project be put on hold until the babies fledged, about four weeks. Construction began July 18.

A planned closure of the Lowell Boulevard and 144th Avenue intersection took place on August 12th through 15th to allow for the new waterline to be connected to the existing waterline in Lowell Boulevard. The closure was required due to the significant number of existing utilities located in the intersection and the required depth of the tie-in. The majority of the work will be completed in September with the final tie-in at the water plant anticipated to be completed in October when the water demands are lower.

| Water Master Plan Update: 144 th Avenue | |
|------------------------------------------------------|-------------|
| Financial: | |
| Current Budget | \$1,440,379 |
| Committed Costs | \$1,338,710 |
| Amount Spent to Date | \$0 |
| Amount Remaining (Original Budget - Committed Costs) | \$101,669 |
| Percent Complete | 30% |

OTHER PROJECTS IN PLANNING AND DESIGN

Broomfield Bay Aquatic Park, Phase 3: Building Renovation - \$312,000

On February 10, 2015, Council approved a design agreement with BHA Design, Inc. (BHA), for the Broomfield Bay Aquatic Park, Phase 3: Building Renovation Design Project. Phase 3 includes renovation of the administration offices, park entry, restrooms and mechanical buildings. BHA held a kickoff meeting in March to begin the design work. Golden Triangle Contractors (GTC) was selected as the Construction Manager/General Contractor (CMGC) for the project. GTC produced a GMP which was presented to Council in July and approved. Staff is working with GTC to prepare for the start date in early September.



CommDev CIP Status Report, Continued.....

Broomfield Community Center Improvements, Phase 1 - \$3,653,800

The Broomfield Community Center (BCC) was constructed in 1974. A substantial renovation and addition of the Senior Center was completed in 1990. The BCC is at a point where substantial renovations are necessary. Many individual smaller projects have been requested over recent years due to the age of the facility. In addition, a substantial renovation and expansion of the BCC has been slated for the long range major building need for 2026. It became evident that the individual smaller projects needed to be combined and coordinated with an overall facility master plan so the improvements would integrate into the future plans and not become "throw away." In addition, the improvements would have to maintain the operations and programs offered at the facility.

Davis Partnership Architects (Davis) was selected to develop a Master Plan for the facility that would allow for a phased approach to meet the operational needs of the facility with a Phase 1 project that would accommodate the facilities most urgent needs. The Phase 1 and associated Master Plan conceptual design was approved by Council at the July 21, 2015, Study Session. Subsequently, Davis was awarded a design agreement for the Phase 1 improvements at the August 25, 2015, Council meeting. The Phase 1 improvements include a partial demolition of the north side of the facility, a two story addition to include new locker rooms on the first floor, group fitness on the second floor, and replacement of the elevator. Phase 1 also includes improving egress and storage for the facility. At the time of the design award, the funding for Phase 1, including design services, totaled \$3,653,800.

During the design process and building code analysis, it was determined that the project will need to add a fire sprinkler and fire alarm system to the north half (recreational wing) of the building to meet current building code requirements. Other design coordination discoveries resulted in other changes to include the relocation of the elevator to the new addition to avoid structural complications with the existing roof structure and the addition of a ramp from the main level to the locker/pool level to provide access to the elevator while helping overall facility circulation and reducing potential impacts to construction logistics and program access during construction. The necessary design adjustments resulted in an updated overall project estimate of \$4,153,956.

The project has been bid and the low bidder is within the revised budget estimate. The Phase 1 project is ready to award; however, due to new and potentially costly findings regarding deficiencies with the existing pool, the Phase 1 project award is on hold until an appropriate course of action has been determined.

Broomfield County Commons Cemetery: Master Plan Update - \$197,000

The Broomfield County Commons Cemetery Master Plan was developed in 2002 and Phase 1 of the Master Plan was constructed in 2003. Sales of cremation areas and full burial plots with upright monuments have not followed national trends when the cemetery was designed. The cemetery currently does not have any full burial upright monument plots available for sale and there are a limited number of niche wall spaces available.

Vireo, the selected designer, has been working with staff to update the master plan. Staff and Vireo have developed an updated master plan that better reflects the previous and anticipated usage. Staff has requested a proposal to complete the construction documents for a small addition to the cemetery in 2016. A council memo will be presented to Council in late summer.

Broomfield Trail 2 - Railroad Bridge to Industrial Lane to Midway Blvd. - \$2,802,300

There are two projects proposed to connect West Midway Blvd., over the train tracks, to Industrial Lane near Hoyt Street. One project is the West Midway Blvd. extension road project and the other is a pedestrian bridge. The CIP budget included funding for design and construction of the pedestrian bridge in 2015. The road bridge is beyond the 5-year plan. The location of the two projects, relative to each other, needs to be considered to negate future demolition of the pedestrian bridge when the road bridge is constructed.

Tsiouvaras Simmons Holderness Inc. (TSH) completed a study to look at the location of the pedestrian bridge and alternatives for the road connection. This study concludes with an alignment for the road which allows for the pedestrian bridge to be constructed independently. A conceptual design has been completed for the pedestrian bridge which includes an option of continuing the bridge over Industrial Lane connecting to the US 36 Underpass and to East Park, allowing for a grade separated connection from West Midway Blvd. to East Park.



CommDev CIP Status Report, Continued.....

Staff is finalizing the details for the land acquisition between West Midway Blvd. and the train tracks. The next steps include:

- Finalizing a purchase agreement,
- Survey and plat of the parcels, and
- Preparation of design/build request for proposals.

Dillon Road / West 144th Avenue Improvements - Phase 1- \$11,919,000

In April 2012, Council reviewed cost estimates to complete Dillon Road/West 144th Avenue as a four-lane arterial through Broomfield. In August 2013, Council reviewed a traffic analysis and concurred with the recommended near-term and ultimate improvements. Council reviewed the project in the 2014 budget study session. It was requested staff add bicycle improvements to the first phase of improvements and that efforts be made to advance the project through the budgeting process.

In January 2015, Muller Engineering Company (Muller) was retained for a bikeway feasibility study and the Phase 1 design. The Phase 1 project would add auxiliary through lanes at the Sheridan Boulevard, Aspen Street, and South 120th Street intersections to reduce traffic congestion and enable the intersections to process more vehicles during morning and afternoon peak hours. Council appropriated an additional \$10M in project funding in the 2016 CIP budget. In October 2015, Council approved a consulting amendment with Muller to expand the original Phase 1 design scope to include the full road width west of Sheridan Boulevard to South 120th Street (Phase 2). The construction documents will combine Phases 1 and 2 and include the recommended bike path/lane improvements. The bikeway feasibility study was completed in late December 2015. Staff will review the possible bike path/lane alignments and coordinate design with Boulder County.

A neighborhood meeting was held March 9, 2016, for the Pony Estates residents and adjacent property owners on the south side of Dillon Road to review a conceptual plan of the roadway widening and provide comments. Staff will discuss the comments with the City Council and then schedule another meeting to discuss the next iteration of conceptual plans with the neighborhood. Staff has also met with the City of Lafayette regarding this project.

Lowell North Project (East Midway to West 136th) - \$5,119,525

The Lowell North Project envisioned in 2006 would complete Lowell Boulevard from East Midway to West 136th Avenue. The specific new elements consist of constructing a two-lane arterial roadway section with bike lanes and center raised landscaped median; dedicated turn lanes at the intersections where warranted; replace or complete missing and sub-standard segments of curb, gutter and sidewalk; landscaping of the east side of the road between curb and sidewalk; bury any existing overhead utilities; and install stand-alone streetlights.

Beginning in March 2014, Merrick Engineering began the design process for this project. 100% Design plans were completed and reviewed by Broomfield in December 2015. In January, Merrick completed bid-ready plans and specifications for final cost estimating. Final right-of-way and easement needs have been identified; all of the right-of-way needed from private parties has been obtained through dedication. Additional right-of-way will be purchased and transferred from Open Space at the intersection of East Midway and Lowell.

The project conducted a neighborhood and public open house on June 9, 2016, to allow the public to see the complete one-mile plan for road and landscaping improvements and to ask questions and make written comment to the design and construction. The comments were reviewed and summarized. Modifications were made to the plans based on comments from residents. The whole project was presented to City Council for a pre-bid review July 12. The project is anticipated to be advertised in September for contractors to provide bids for the project. If an acceptable contractor and price is approved by Council, construction could begin in the fall of this year.

McKay Lake/Lambertson Farms Regional Park & Open Space Design - \$1,380,000

The McKay Lake/Lambertson Farms Open Lands Master Plan area is located northeast of West 138th Avenue and Zuni Street. It is 43.8 acres of undeveloped McKay Landing and Lambertson Farms open lands parcels next to the City of Westminster's McKay Lake Open Space. The McKay Landing Subdivision paid \$1,381,083 as cash-in-lieu in 2006 as part of their development agreement for a regional park and open space adjacent to McKay Lake. A Master Plan Concept was developed, and the estimated cost for the proposed improvements to build out the entirety of the plan is \$4.68M. Based on direction provided at a June 2013 City Council Study Session, staff worked with OSTAC and PRAC, with additional feedback from the public and the City of



CommDev CIP Status Report, Continued.....

Westminster, to develop an initial phase of the highest priority improvements that could be provided with the developer's \$1,381,083 contribution. A Phase 1 Plan concept and budget were reviewed by Council in February 2014. In March 2015, Council reviewed a summary of the committees' recommendations and public comments and directed the project to move forward to the design phase.

On August 25, 2015, Council approved a consulting agreement with Root House, LLC. Adaptive sports specialists, local youth, and bike park sub-consultants provided conceptual design input for the adventure playground, nature fitness, and bike park features. During the fall 2015 and spring 2016, a number of design development meetings were held with OSTAC, PRAC and the general public, including two events to allow community members of all ages to vote for their favorite features proposed by the consulting team. A public open house was held June 22, 2016, to review construction plans and receive written comments. A pre-project review will be presented to Council prior to bidding the project for construction.

Natural materials such as logs, boulders, and soil are being imported from other project sites and stockpiled on the property. This will result in a substantial cost savings compared to purchasing the materials and enables funding of other site amenities shown in the Phase 1 Plan. The remainder of the improvements in the Master Plan Concept will be programmed into the Capital Improvement Program at Council's discretion. Any public discussion of the project will make it clear that funding for the entire plan is not appropriated and is subject to future consideration.

Tom Frost Reservoir Amenities and Landscaping - \$225,000

This phased project is part of the Broomfield County Commons Management Plan. In 2013, the first phase completed construction of the Tom Frost Interpretive Shelter, which was partially funded by a Great Outdoors Colorado grant and is used for picnicking and nature education. The Phase 2 project would include a new 30-space parking lot in the open space on the west side of Lowell Boulevard, immediately west of Westlake Drive. This lot would replace the existing 10-space lot to be demolished with the widening of Lowell Boulevard north of Midway Boulevard. Native landscaping with three-foot tall berms and shrubs will screen the parking lot from the roadway. The project also includes a concrete trail connection to Lowell Boulevard and a portable toilet with a steel privacy enclosure. OSTAC reviewed concept drawings in June 2015 and approved a revised conceptual layout at their November 18th meeting. Development of construction plans is underway by Merrick & Company in conjunction with the design of the Lowell North Project (East Midway to West 136th). A pre-project review memorandum was presented to Council in conjunction with the Lowell North Project on July 12th.

Waste Water Reclamation Facility: Laboratory Expansion - \$4.54M

Burns & MacDonnell was retained to evaluate the laboratory and administration building for the Waste Water Reclamation Facility (WWRF). The laboratory and administration offices have not been expanded or remodeled since the WWRF was constructed in 1985. The programming study determined the laboratory and offices are significantly undersized for the personnel and operations of the facility. FEI Engineers, Inc. (FEI) was selected to complete the design. A kickoff meeting with laboratory and wastewater staff occurred in late September 2015 to begin the design.

A request for proposal was issued in early February for a Construction Manager/General Contractor (CM/GC). Saunders Construction was recommended as the CM/GC for the project, and Council approved the agreement for preconstruction services at the June 14th Council meeting and a final GMP at the August 9th meeting. Construction is anticipated to begin in September 2016 and be completed mid-2017. The team is currently waiting on Xcel Energy to design and completed electrical relocation before the project can begin.

Summary

The next update will be provided to City Council in September. Newsletters and updates are sent to residents adjacent to projects throughout the duration of the projects. For additional information on the CIP projects, visit the City and County of Broomfield's website, www.broomfield.org, or contact the City and County Manager's Office.



Public Works CIP Status Report

This is the update for the month of August 2016 for Capital Improvement Program (CIP) projects. A financial table is presented for each project under construction shown in the report. The “Actual Cost to Date” in the financial table for each project is based upon information through August 1, 2016.

PROJECTS IN PROGRESS

CARPET REPLACEMENT AT CITY AND COUNTY FACILITIES

Status:

City Council approved an agreement with Commercial Flooring Services, Inc. in the amount of \$111,240 on March 8, 2016, for the materials and supplies for removal, disposal, and installation of new carpeting in two areas:

- Circulation and Technical Services area at the Mamie Doud Eisenhower Public Library
- Motor Vehicle, Central Records, and the Bal Swan/Zang Spur Conference Rooms at the George Di Ciero City and County Building

These areas were chosen based on a number of factors including, age, condition and potential repurposing of the area.

On Wednesday, March 30, 2016, Commercial Flooring Services, Inc. began installing the carpet and hard flooring for the first phase of the Motor Vehicle remodel and the George Di Ciero City and County Building. The remodeled Motor Vehicle area was completed on April 4, bringing the first floor carpet installation to 50% complete. On Saturday, June 4, 2016, the final phase of flooring was installed for the first floor remodel.

Testing revealed excess moisture in the Circulation and Technical Services area at the Mamie Doud Eisenhower Public Library and in the Bal Swan/Zang Spur Conference Rooms at the City and County Building. Additional treatment will be required prior to the installation of the new carpet.

Facility Services is working with the other user groups impacted to plan the timing of the work, as the timeframe is dependent upon each facility’s scheduling. The project is on schedule to be complete by December 2016.

| Carpet Replacements | |
|------------------------------------------------------|---------------|
| Financial: | |
| Current Budget | \$ 140,000 |
| Committed Costs | \$ 111,240 |
| Amount Spent to Date | \$ 27,756 |
| Amount Remaining (Original Budget - Committed Costs) | \$ 28,760 |
| Project Schedule: | |
| Percent Complete | 50% |
| Anticipated Completion Date | December 2016 |

CITYWIDE TREE REPLACEMENT PROGRAM

Status:

The Broomfield Citywide Tree Replacement Program was established in 1997 to fund the replacement of trees that have been removed from parks, greenbelts, open space areas, and city offices/facilities due to disease, insects, winter kill, or vandalism.

City Council approved an agreement with Green Spot, Inc. on February 23, 2016, for the program in the amount of \$180,000. The program has been expanded this year to include the planting of an additional 200 trees to offset the removal of Ash trees as part of the Emerald Ash Borer (EAB) Mitigation Program, bringing the total number of trees to be planted by the contractor in 2016 to 500. Another 40 trees will be planted by Broomfield staff, with volunteer assistance from local civic groups.



Public Works CIP Status Report, Continued

Phase 1 of the project began on April 28, 2016, and was completed on May 13, 2016. On May 20, the second phase of the project began. Phase 2 is 50% completed. As summer is not the recommended time to plant, the remaining trees in Phase 2 will be planted starting in mid-September and will be completed in October.

| Citywide Tree Replacement Program | |
|------------------------------------------------------|--------------|
| Financial: | |
| Current Budget | \$ 190,000 |
| Committed Costs | \$ 180,000 |
| Amount Spent to Date | |
| Contracted Tree Planting | \$ 136,815 |
| Eagle Scout Tree Planting at Crofton Park | 3,850 |
| Highland Park/CCoB Forestry Tree Plantings | 4,455 |
| Amount Remaining (Original Budget - Committed Costs) | \$ 10,000 |
| Project Schedule: | |
| Percent Complete | 78% |
| Anticipated Completion Date | October 2016 |

CONCRETE REPLACEMENT - \$247,800

Status:

The Citywide Concrete Replacement Program is an annual program that provides funding to repair both city-owned and privately-owned concrete infrastructure such as sidewalks, curbs, gutters, and curb ramps. Under the program, residents may request repairs to sidewalks, curbs, and gutters that are in city right-of-way, but are the homeowners' maintenance responsibility. These concrete repair requests must meet certain technical criteria related to hazardous concrete conditions, minor drainage problems, or major aesthetic problems. The requests are reviewed by Public Works staff and, if approved, the residents will be responsible for paying 25% of the concrete repair costs and Broomfield will pay the remainder.

An agreement with Colorado Concrete Construction LLC was awarded by the City Council on May 24, 2016, and work will begin soon.

| Concrete Replacement Program | |
|------------------------------------------------------|---------------|
| Financial: | |
| Current Budget | \$ 247,800 |
| Committed Costs | \$ 247,800 |
| Amount Spent to Date | \$ 0 |
| Amount Remaining (Original Budget - Committed Costs) | \$ 0 |
| Project Schedule: | |
| Percent Complete | 0% |
| Anticipated Completion Date | November 2016 |

NON-POTABLE WATER SYSTEM PLANNING STUDY

Status:

Broomfield owns, operates, and maintains a non-potable water delivery system that is used to irrigate parks, landscaped rights-of-way, and large commercial areas. The benefits of having a non-potable water distribution system include more efficient use of a limited resource, lower operating costs for treatment, and avoided capital costs on the potable water system.

The current non-potable water system includes 96 connections that irrigate approximately 1,500 acres of land. In 2015, approximately 16% of Broomfield's total water demands were met from the non-potable system.

Broomfield has been finalizing the plans for several capital projects to fully utilize the non-potable water rights owned by Broomfield. Two initial phases of the non-potable water planning process have previously been



Public Works CIP Status Report, Continued

completed: 1) determining irrigation demand factors and 2) evaluating Broomfield's existing non-potable supplies.

The next phase of the project is a study that will analyze the costs and infrastructure needed to expand the non-potable water system to serve irrigation needs associated with future development in the northeast areas, and to convert other irrigated areas that are currently served with potable water.

The City Council approved an agreement on March 8, 2016, with Wright Water Engineers, Inc. (WWE) in the amount of \$137,600 to complete the study. Staff has continued to provide WWE background information.

WWE has begun to set up the hydraulic model that will help determine the distribution pipe sizes, water storage, and pressure equalization requirements for a range of three to five build-out scenarios. This information will be used by staff to evaluate the expansions of the system in coordination with non-potable water license sales.

| Non-Potable Water System Planning Study | |
|------------------------------------------------------|--------------|
| Financial: | |
| Current Budget | \$ 254,504 |
| Committed Costs | \$ 137,600 |
| Amount Spent to Date | \$ 37,469 |
| Amount Remaining (Original Budget - Committed Costs) | \$ 116,904 |
| Project Schedule: | |
| Percent Complete | 10% |
| Anticipated Completion Date | October 2016 |

PAVEMENT PRESERVATION PROGRAM - \$3,820,000

Status:

Broomfield's Street Pavement Preservation Program is an annual Capital Improvement Program to preserve, maintain, and improve the condition of Broomfield's streets. Each year, Broomfield staff inspects and assigns a condition rating for every street. A prioritized list of streets needing treatment is developed based on the rating score. The proposed 2016 program consists of three components: placing a seal coat on 30 street sections totaling 6.61 miles, providing mitigation to maintain drivability on 36 street sections totaling 8.05 miles, and placing 2,284 tons of routine maintenance patching. City Council approved agreements with A-1 Chipseal Co. and Asphalt Specialties Co., Inc. on March 22, 2016, for the 2016 Pavement Preservation Program.

Notice to proceed was issued to the contractor on April 6, and work has begun.

| Pavement Preservation | |
|------------------------------------------------------|---------------|
| Financial: | |
| Current Budget | \$ 3,820,000 |
| Committed Costs | \$ 3,820,000 |
| Amount Spent to Date | \$ 2,853,204 |
| Amount Remaining (Original Budget - Committed Costs) | \$ 0 |
| Project Schedule: | |
| Percent Complete | 74% |
| Anticipated Completion Date | November 2016 |

SAND/SALT STORAGE FACILITY

Status:

The Streets Division utilizes a fabric structure south of the Detention and Training Center in west Broomfield to store deicing materials for use in the Snow and Ice Control Program. The existing structure is over 15 years old and was in need of replacement due to damage from routine use and exposure to the elements.



Public Works CIP Status Report, Continued

City Council approved an agreement with CG Construction Company in the amount of \$250,025 on May 24, 2016, to replace the current storage structure with a fabric truss system placed on top of concrete walls.

Internal staff began demolition of the existing structure on July 9, and construction began on July 18. The contractor has begun cutting the concrete in preparation for the installation. Inspections of the work to date are pending.

| Sand/Salt Storage Facility | |
|------------------------------------------------------|---------------|
| Financial: | |
| Current Budget | \$ 280,000 |
| Committed Costs | \$ 250,025 |
| Amount Spent to Date | \$ 0 |
| Amount Remaining (Original Budget - Committed Costs) | \$ 29,975 |
| Project Schedule: | |
| Percent Complete | 3% |
| Anticipated Completion Date | November 2016 |

WATER METER REPLACEMENT

Status:

Broomfield initiated the Water Meter Replacement Program in 2008 as a way to systematically replace old meters throughout the community to minimize potential losses in water revenue. The program focuses on the replacement of single-family meters, since this category makes up almost 93% of the meters on Broomfield's water system.

Research and historic field use has shown that the expected service life for a typical ¾-inch meter (the size used for a single-family residence in Broomfield) is 15 to 20 years. Once a meter exceeds this timeframe, it may begin to underestimate the actual volume of water running through the meter, and thus lead to revenue loss.

The 2016 capital improvement budget includes \$100,000 for the residential meter replacement program. Based on an estimated purchase cost of \$356 per meter, this program will be able to fund approximately 280 replacements, or about 2% of the 16,300 single-family-sized meters on the system. Each meter in the system gets replaced on average once every 20 years when this program is combined with other meter replacements performed as part of normal operations.

The Utility Division purchased the 280 replacement meters in April 2016. Approximately 80 meters were replaced in May, 108 were replaced in June, and an additional 118 were installed in July. The CIP Water Meter Replacement program for 2016 is 100% complete. This will be the final report for this project.

| Water Meter Replacement | |
|------------------------------------------------------|-------------|
| Financial: | |
| Current Budget | \$ 100,000 |
| Committed Costs | \$ 100,000 |
| Amount Spent to Date | \$ 100,000 |
| Amount Remaining (Original Budget - Committed Costs) | \$ 0 |
| Project Schedule: | |
| Percent Complete | 100% |
| Completion Date | August 2016 |



Public Works CIP Status Report, Continued

OTHER PROJECTS IN PLANNING AND DESIGN

Coal Creek Ditches: FEMA Grant Project - \$457,198 total includes Broomfield's 12.5% match (\$56,582)

During the September 2013 floods, the Upper Church Ditch and McKay Ditch diversion structures and headgates experienced substantial damage and were left unable to convey water supplies from Coal Creek to Broomfield's Great Western Reservoir. A grant was awarded by the Federal Emergency Management Agency (FEMA) to assist Broomfield with the replacement of the damaged facilities. On June 24, 2014, City Council approved an agreement for engineering design. While design was underway, it was determined that in order to address changes to the stream configuration that occurred during the flood event, a scope change needed to be granted by FEMA prior to finalizing the engineering. Staff is currently waiting for FEMA to approve the scope change request, thus, the engineering design is on hold.

Heit Pit Inlet/Outlet Facilities - \$2,464,280

The Heit Pit Inlet/Outlet Facilities project will provide a connection between the Heit Pit, a gravel pit that is currently being mined in Weld County, and the South Platte River. The Heit Pit provides storage for reuse supplies during times of the year when Great Western Reservoir is full, and it allows Broomfield to better utilize the current reuse supplies. The project consists of the construction of pipelines to divert water into Heit Pit and release water out of Heit Pit.

On June 28, 2016, City Council approved an agreement with Sunrise Engineering, Inc. (Sunrise) in the amount of \$125,648 for Owner's Representative services for this project. Sunrise has been working to become familiar with the current version of the plans and compiling recommendations to staff on the design and bid documents. Staff plans to put the construction project out to bid by the end of the year.

Siena Reservoir Pump Station - \$7,500,000

In order to meet peak day summer demands as projected based on anticipated tap sales in the upcoming years, Siena Reservoir will be used as a peaking reservoir for Broomfield's drinking water system. This will be achieved by constructing a pump station with a capacity of 10-15 cubic feet per second and 14,200 feet of pipeline from Siena Reservoir to the Broomfield Water Treatment Facility. This project is expected to go out to bid for engineering design in 2016.

Water Treatment Plant Expansion - \$11,249,500

In order to ensure an adequate supply of potable water, Broomfield's Water Treatment Plant will need to be expanded to meet future water demands. Currently, the plant capacity is 20 million gallons per day. The next expansion will increase the treatment facility's capacity to 26 million gallons per day. The total budget for this project is \$10,349,500. This includes design and construction costs, which will be broken out separately when the project is underway. The design phase is scheduled to begin in the third quarter of 2016. Also included is the addition of a soda ash and fluoride feed building (\$150,000), and a carbon feed building (\$750,000), both of which were previously budgeted separately.

Windy Gap Firing Project - \$399,457,738 (Total Project)

The Windy Gap Firing Project (WGFP) consists of the construction of a 90,000 acre-foot reservoir called Chimney Hollow in Larimer County. The project is led by the Municipal Subdistrict of the Northern Colorado Water Conservancy District (NCWCD). The project has 13 participants contributing funding to build the reservoir in exchange for a proportional amount of water storage. Broomfield's portion is 25,200 acre-feet of storage, or 29.2% of the project. Broomfield's total contributions are estimated at \$116.5 million. The project has been in the permitting phase for the past 12 years, but permitting is expected to be completed in 2016.



Public Works CIP Status Report, Continued

The Municipal Subdistrict has chosen MWH Global to provide engineering design services for the Chimney Hollow Reservoir. After considerable contract and insurance negotiations, the Municipal Subdistrict Board approved the contract for design services on August 11, 2016.

City Council approved a payment of \$4,028,243 on February 23, 2016, to fund Broomfield's share of the 2016 engineering design costs. Design is expected to take approximately two years to complete.