



MEMORANDUM

Office of the City and County Manager

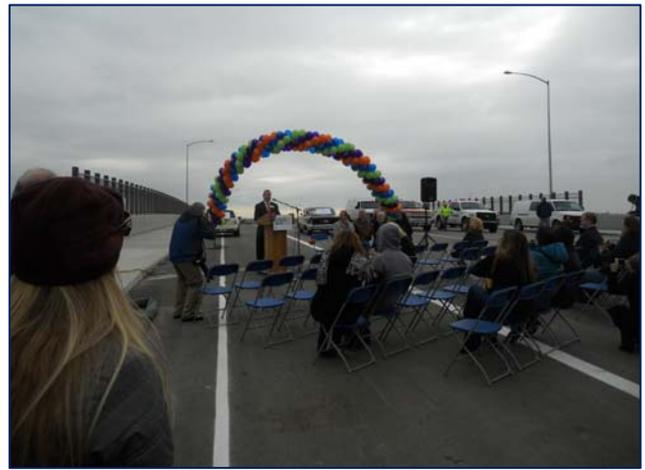
TO: Mayor and City Council
FROM: Charles Ozaki, City and County Manager
DATE: October 15, 2013
SUBJECT: CIP Status Report

This is the update for the month of October 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 tables for each project is based upon information through October 1, 2013. Council has been receiving these informational reports on a monthly basis since July 2003.

PROJECTS UNDER CONSTRUCTION

US 36 Express Lanes Project

Construction started in July 2012 and is scheduled to be complete in January 2015. Included in the project is the replacement of the Wadsworth Parkway bridges, the Wadsworth Boulevard bridge with the new Uptown Avenue bridge. The structures were over 60 years old and were structurally deficient.



The demolition of the Wadsworth Parkway bridges occurred in late September. The grand opening for the new Uptown Bridge was held on October 15th.

The Wadsworth Parkway bridges were fully opened to traffic in October and the old bridges were demolished the following week. There is still work to be completed on and around the bridges including the monuments and landscaping.

North Area Lift Station Design Build Project

Status:

The area of Broomfield north of West 160th Avenue, excluding the Anthem development, has limited wastewater service. Significant urban development is anticipated in the North Park Basin within the next 16 months. Current development is served by temporary lift stations located at the Children's Hospital (TCH) along SH 7 and the Prospect Ridge Academy/North Park (PRNP) area adjacent to Sheridan Parkway.

The anticipated development in the area is expected to exceed the capacity of the existing temporary lift stations by late fall 2013. To meet the anticipated development schedule in Palisade and Northlands, it was determined a new lift station west of I-25 will need to be operational by November 2013. The proposed lift station on the Northlands

development will provide service to the area west of I-25. The area east of I-25 will be served by a separate lift station due to topography. The new lift station to service the area west of I-25 is under construction within the Northlands development west of I-25 and north of State Highway 7.

Council approved a design-build agreement on May 22, 2012, with the design-build team of Burns & McDonnell and Moltz Construction for the North Area Lift Station. Council approved an amendment to the original design build agreement for construction on January 22, 2013.



The lift station and site are nearly complete. The generator has arrived and is being installed. In the building, the doors, windows and interior crane are being installed. Permanent power installation was delayed due to the recent flooding as United Power put all new construction on hold. Once permanent power is in place, the team will work on scheduling startups for the station. The project is expected to be operational in early November in sufficient time to serve the wastewater needs in the area.

North Area Lift Station Design Build Project	
Financial:	
Original Budget	\$11,930,820
Committed Costs	\$11,930,820
Amount Remaining (Original Budget – Committed Costs)	\$0
Project Schedule (Construction):	
Percent Complete	80%
Completion Date	November 2013

120th Avenue Connection, Phase 2: Utility Relocation (East Side)

Status:

120th Avenue Connection Phase 2 Utility Relocation Project is relocating water and sewer mainlines in areas generally east of the BNSF railroad (“Eastside”) (with the exception of Colmans Way) for CDOT’s upcoming West 120th Avenue Connection Project. The utility relocation was bid in late October. Council approved the construction agreement with Ricor, Inc., on November 13, 2012. An open house for residents and businesses was held in early November, and the contractor began work in mid-January.

Crews are still waiting to obtain access to one property south of West 119th Avenue to finish the project. CDOT does not have a time frame when the property will be acquired. With the exception of this area, the relocation work is complete. Xcel Energy is expected to begin relocating utilities along West 1st Avenue in mid-October. Broomfield may need to delay the overlay of West 1st Avenue from Emerald Street to Hemlock Way due to weather and the availability of asphalt crews due to the recent flooding. If the final overlay work cannot be completed this fall, it will take place in the spring. This will be the last update for this project.

120th Avenue Connection, Phase 2: Utility Relocation (East Side) Project	
Financial:	
Original Budget	\$2,570,000
Committed Costs (Ricor)	\$1,638,168
Amount Remaining (Original Budget – Committed Costs)	\$931,832
Project Schedule (Construction):	
Percent Complete	95%
Completion Date	Substantially complete

The Bay, Phase 2: Tot Pool Renovation Project

Status:

The City of Broomfield was the first community in the area to construct a "mini" water park, opening The Bay Aquatic Park in June 1991. The Bay was specifically designed for families with toddlers to pre-teens and averages 800 patrons a day.

Due to age, condition, and updated health and building codes, the facility is in need of renovation. In 2011, an implementation plan for the Bay was completed outlining phasing for renovating, updating, and expanding the 20-year old facility. The Implementation Plan was split into five phases with the first phase to include a temporary group entrance and installation of a new filter. This first phase of work was completed in 2012.

The scope of work for Phase 2 includes:

- Replacement of the existing tot pool;
- Installation of a new mechanical system (circulation and filtration system) and mechanical system housing for the tot pool;
- Upgraded water and electrical service to the facility; and
- Construction of a spray ground in the location of the former tot pool.



Council approved a construction agreement on September 24, 2013, with Arrow J Landscape and Design, Inc. for The Bay, Phase 2: Tot Pool Renovation. A preconstruction meeting was held on October 3, 2013, and the contractor began demolition work the week of October 7th. The project is scheduled to be completed in May prior to the Memorial Day opening.

The Bay, Phase 2: Tot Pool Renovation Project	
Financial:	
Revised Budget	\$1,929,511
Committed Costs	\$1,929,511
Amount Remaining (Original Budget – Committed Costs)	\$0
Project Schedule (Construction):	
Percent Complete	0%
Completion Date	May 2014

OTHER PROJECTS IN PLANNING & DESIGN

• **Brainard Drive Relocation - \$1,050,000**

The West 120th Avenue Connection – Phase 2 project will construct a bridge at the Burlington Northern Santa Fe (BNSF) railroad tracks so the roadway can pass underneath the tracks. Originally, the bridge was designed for three railroad tracks. One track can be eliminated if the existing BNSF railroad siding is relocated to the northwest. Relocation of the BNSF railroad siding will benefit Broomfield by reducing traffic backups at the Nickel Street and 120th Avenue crossings when trains pass. BNSF also prefers to have their siding relocated away from these roadway crossings. If the siding is relocated, the existing Brainard Drive connection will also have to be relocated. To do this, the Brainard Drive connection to Industrial Lane will have to be relocated near the intersection of West Midway Boulevard/Industrial Lane and East Flatiron Circle. This roadway relocation is the responsibility of Broomfield, though it will be funded with state railroad safety funds.

Council approved a consulting agreement with Muller Engineering for this relocation project at the December 4, 2012, City Council meeting. Design was substantially completed in May. Final design will occur following approval of an agreement by BNSF and utility and right-of-way clearances, which are anticipated in fall 2013. The project can be bid after approval of the design. Prairie dog relocation and utility relocations will be required prior to starting construction.

- **Exterior City and County Building Security Improvements - \$216,000**

Currently, there is concrete walkway and landscaping between the public parking lots and public entrances to the George Di Ciero City and County Building and the Broomfield Police Department and Combined Courts Building. There are no obstructions to deter a vehicle from ramming into and damaging the buildings. The purpose of the project is to provide appropriate and cost-effective measures to improve the security of building occupants and assets by constructing physical barriers at public entrances. In May 2012, Frank Miltenberger Landscape Architect completed a vehicle barrier study and created a concept plan for the two buildings. Passive barriers shown in the plan include large cast-in-place concrete planters, decorative walls, boulders, and bollards. The project also includes free-standing planter pots, trees, shrubs, and irrigation.

A pre-project review was presented to Council on July 23, 2013, and staff was directed to finalize construction plans and advertise for bid. In late August, staff pre-qualified three contractors to bid the work, and bids were due September 13, 2013. Council approved a construction agreement with the lowest responsible bidder on October 8, 2013. Construction will occur this fall and spring 2014.

- **Lowell Boulevard South Project (120th to East Midway) - \$8,172,000**

The Lowell Boulevard South Project consists of three major improvement areas. This 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 121st Place, and a new combined drainage and pedestrian trail underpass will be constructed. This project will also coordinate with and will provide design for the CDOT improvements to West 120th Avenue at Lowell Boulevard.

The preliminary designs for the Lowell Boulevard South and CDOT's Lowell and 120th intersection projects have been completed. Improvements adjacent to Metzger Farm and over the Nissen Channel have been finalized with all stakeholders. The Westminster and Broomfield Open Space advisory boards were presented the plans and gave positive feedback that they would support the changes proposed on the eastern edge of the Metzger Farm property.

The Intergovernmental Agreement (IGA) between Broomfield and Westminster defining the improvements, cost sharing, and roles for the project will be presented to both Cities' Councils for ratification in October. Approval of the IGA by both Councils will begin the final Engineering and Utility relocation Phase of the project.

Xcel Energy, Comcast, and Century link will begin the relocation and burial of the utilities within the project area in October. Their work will progress over the winter months and is scheduled for completion in February 2014, ahead of the CDOT 120th intersection and Lowell Boulevard South project beginning construction. Muller Engineering will begin final engineering and completion of construction plans and bid documents. The bid plans and documents will be advertised to contractors for bidding in January of 2014.

Broomfield and CDOT anticipate awarding a contract to construct the two projects in February 2014 with construction of the project beginning in March 2014. Construction, including final landscaping, is anticipated to take place over an 18-month period.

- **McKay Lake/Lambertson Farms Regional Park & Open Space Design - \$25,000**

The McKay Lake/Lambertson Farms Open Lands Master Plan (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 on the western edge of McKay Lake. Expenditure of the funds is not limited to McKay Landing parcel improvements. Overall design for the parcels in Broomfield was discussed at two joint meetings with the Parks and Recreation Advisory Committee (PRAC) and the Open Space and Trails Advisory Committee (OSTAC) in 2012. The City and County Manager approved a consulting agreement for the master planning with Root House, Inc., in January 2013.

A Concept Plan was developed after several joint meetings with OSTAC and PRAC with additional feedback from the City of Westminster. The estimated cost for the proposed improvements is \$4.68M. Based on direction provided at the June 16, 2013, City Council Study Session, staff is working with OSTAC and PRAC to recommend an initial phase of improvements that could be provided with the \$1,381,083 paid by the developer. A joint PRAC/OSTAC meeting was held September 18, 2013, and the phased plan will be scheduled for a City Council Study Session. Highest priority improvements can be completed with the McKay Landing development contribution. The remainder of the improvements can then 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.

- **Midcities Sanitary Sewer Improvements - \$150,000**

In May 2012, Collins Engineers, Inc. (Collins), completed a sanitary sewer system study for the Midcities Subdivision. The report recommended improvements to increase sewer capacity in portions of Flatiron Circle, Flatiron Boulevard, and the private East-West Connector to accommodate the proposed mixed-use development. Design of the improvements is underway by Collins, and a pre-project review will be presented to Council before bids are solicited. Construction is anticipated this fall 2013 and spring 2014 if Council directs staff to proceed with the project.

- **Southbound Lowell Boulevard Right-Turn Lane at West 144th Avenue - \$120,000**

At peak traffic hours, there are substantial back-ups on southbound Lowell Boulevard, north of West 144th Avenue. The purpose of this project is to alleviate traffic congestion and create better traffic flow during peak hours. Currently, the existing right turn lane is shared with through traffic. A dedicated southbound right turn lane onto West 144th Avenue is proposed to improve vehicle capacity at the intersection.

Gorton Scott Engineering, LLC, completed construction plans to widen southbound Lowell Boulevard to construct the right turn lane. Also included in the project is replacement of the culvert further to the north, and widening the roadway at the crossing approximately 10 feet to increase lane width and accommodate a shoulder. Additional right-of-way is not required since Broomfield owns the adjacent property northwest of the intersection. Utility agencies have identified utility conflicts, and Century Link is in the process of relocating four pedestal cabinets further west to improve sight distance for southbound vehicles at the intersection. A pre-project review was presented to Council on August 13, 2013. Bids were received September 26th, and a construction agreement with Double R Excavating was approved by Council on October 8th. Construction is anticipated this fall 2013 and spring 2014.

- **Westlake Entrance Improvements – West 132nd Avenue and Zuni Street Storm Drainage Improvements – (\$100,000) and West 132nd Avenue and Zuni Street (\$25,000)**

The storm drainage improvement project will replace the existing grated drain across West 132nd Avenue with local inlets and a subsurface storm sewer draining to Alexx and Michael's Pond. The new drainage configuration will improve public safety and surface drivability at the intersection, while capturing storm runoff more effectively and reducing future annual maintenance by the Public Works Street Services staff. ICON Engineering Consultants, Inc. (ICON), completed construction plan and profile drawings and a drainage report. A pre-project review was presented to Council on July 9, 2013, and staff was directed to proceed with the project. Bids were solicited in mid-July, and the two bids received were substantially greater than the engineer's estimate and over budget. In early September, GROUND Engineering completed a pavement design and ICON modified the design to decrease construction cost. The project was rebid, and Council approved an agreement with New Design Construction Company on October 8th.

The Westlake Neighborhood Plan adopted by the Broomfield City Council in May 2009 recommended a neighborhood entry sign and median landscaping enhancement in the West 132nd Avenue median at Zuni Street. A concept plan for entry improvements was designed by a landscape architect. It includes additional landscaping along West 132nd Avenue and Zuni Street which will be installed in the future.

With Council approval for construction of the drainage improvements, both projects are anticipated to occur in late fall 2013/early spring 2014.

- **120th Avenue - Gateway Improvements - Bury Power Line/ Replace Lights - \$720,000**

The north side of 120th Avenue between Tennyson Way and Lowell Boulevard contains existing overhead power lines and pole mounted street lighting. This project will remove the overhead power lines and power poles, and bury the power lines. New stand-alone street lighting will be installed to replace existing power pole mounted lighting.

Xcel Energy has completed designs and cost estimates to complete this work and, due to operational requirements, needs to expand the undergrounding project 1,000 feet north on Lowell Boulevard and break the project into the following two projects:

- **120th Avenue - Lowell Boulevard to Perry Street:** Includes burial of power lines on Perry Street east along 120th Avenue to Lowell Boulevard, and north on the west side of Lowell to West 121st Place. Portions of this work are within the Lowell Boulevard South Improvement project limit and will be coordinated with the project design and construction. Broomfield now owns the needed right-of-way (ROW) or parcels along the relocation route. Xcel Energy and Broomfield are now working out the details of the alignment so the relocation is out of the way of all future projects. Broomfield will be issuing the official request to relocate in October, which will start Xcel's 180-day performance period. The work is estimated to cost \$650,000 and will utilize some of Broomfield's undergrounding funds.

- **120th Avenue - Perry to Tennyson Way:** This portion of the project also requires ROW or easements from the property owners along 120th from Tennyson to North Perry Street, as the existing ROW has insufficient room for the power utility to be buried. The new ROW will allow Xcel to relocate and bury their power lines, while preserving Broomfield rights under the franchise agreement. Western States Land Services has been working on acquiring the necessary land for the relocations. As of mid-September, six of the seven required parcels have been obtained, and negotiations with the final owner are progressing. Broomfield has been coordinating with Xcel Energy to finalize the alignment so the relocation is out of the way of all future projects. Once the property is attained, Broomfield will issue the official request to relocate. The estimate for this work is \$485,000. This work can be funded from Broomfield's undergrounding funds, which are reserved with Xcel for the purposes of burying power lines within Broomfield.

- **2013 Residential Drainage Improvements - \$60,000**

In early August 2013, Gorton Scott Engineering, LLC, completed construction plans to correct two residential drainage problems near 744 Dexter Drive and 731 Cottonwood Drive. There is poor drainage due to flat and settled curb and gutter, and water regularly ponds at both locations. The areas are also prone to ice build-up in the winter, posing safety concerns to residents. At the Cottonwood Drive location, debris collects and clogs the street inlets, which have narrow curb openings. The proposed solution includes removal and replacement of curb and gutter, sidewalk, and portions of driveways adjacent to sidewalk to improve grade and flow to inlets. The inlet northwest of 731 Cottonwood Drive will be replaced to accommodate curb and gutter lowering and increase the size of the curb opening. Staff issued a request for quotes in late August, and none were received. In following up with contractors who initially showed interest in the project, one contractor is still interested in the work and will submit a quote in October. If the quote is within budget and a contract (less than \$50,000) is approved by the City and County Manager, the drainage improvements would be constructed in late fall 2013.

Summary

The next update will be provided to City Council in November. 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/CIP, then click on the Construction News link or contact the City and County Manager's Office.