

| Flood 2013 Preliminary Damage Assessment & Other Event Costs | | | |
|---|--|--|--|
| <u>Department</u> | <u>Feature</u> | <u>Damage</u> | <u>Preliminary Damage Assesment</u> |
| Commerce City Public Works | | | |
| | 4211 60th Ave @ Sand Creek | Debris Removal & Roadway Repair | 1,200.00 |
| | 8745 Rosemary St | Roadway Failure | 2,000.00 |
| | 8511 96th Ave | Roadway Failure | 2,000.00 |
| | 12883 96th Ave @ First Creek | Debris Removal & Shoulder Repair | 1,000.00 |
| | 9705 Peoria St @ First Creek | Roadway Failure | 500.00 |
| | 14543 112th Ave @ Second Creek | Debris Removal & Roadway Repair | 1,000.00 |
| | 69th Ave @ Fairfax Dr | Severe Erosion | 700.00 |
| | Victory Crossing Detention | Debris Removal & Severe Erosion | 6,700.00 |
| | Major Stormwater Outfall | Broken Pipe & Washout | 10,000.00 |
| | Sand Creek south bank just upstream from the South Platte River | Approximately 1,200' or 2.6 acres of bank is destroyed and underground utilities are exposed | Extensive |
| | Equipment | | 25,119.94 |
| | Rental | | 8,229.00 |
| | Materials | | 7,228.65 |
| | Contract | | 57,240.00 |
| Commerce City Parks & Recreation | | | |
| | 60th and Brighton- end of railroad underpass structure to Brighton bridge bank eroded- approx. 80 ft long x 10 ft wide x 8 ft deep | Backfill and armor bank where eroded. | 10,000.00 |
| | 60th Ave. railroad underpass structure has minor damage | Repair fence & remove debris on RR structure | Included in Staff Hrs & Materials Totals |
| | Railroad underpass structure and approx. 80 ft of trail washed out | Re-design trail where structure is located similar to 60th Ave. location (place on helical piers); replace trail; re-install overhead protection; backfill approx. 8,000 sq ft. x 4 ft | 75,000.00 |
| | Sarah Union Overlook washed away; 3 benches, 1 sign, vegetation | Work with SCRGP to re-install benches, sign, vegetation | 6,000.00 |

| | | | |
|--|---|--|--|
| | Dahlia Trailhead- Trail cracked and separated at base of steps | Removal & replacement of 300 ft of colored concrete trail and apron | 3,500.00 |
| | Entrance from trail to Wetland Park- Bridge railings removed & damaged; material gone around abutments | Temporary railings until permanent can be constructed; replace/obtain new railings; patch concrete; replace approx. 200 sq. ft. of trail, backfill & armor abutments | 25,000.00 |
| | Wetland Park- Vault restroom moved; dog waste station damaged; interpretive signage damaged | Remove and re-set restroom; replace dog waste station & interpretive signage | 10,500.00 |
| | Wetland Park- Approx 100 ft of split rail fence damaged | Replace fence | 1,200.00 |
| | Wetland Park Trail washed out on east/north side; banks of wetland eroded | Re-grade entire area; re-establish trail; armor banks of wetland; remove silt; replace drain pipe. | 75,000.00 |
| | Washout on north side of trail near bakery at drainage outfall | Backfill and armor bank where eroded. | Included in Staff Hrs & Materials Totals |
| | 50th and Pontiac- Riprap washed away | Backfill and armor bank where eroded. | Included in Staff Hrs & Materials Totals |
| | Between 49th Ave. and 47th Ave. (Sapp Bros.) - Two areas of bank erosion with potential impact to trail | Backfill and armor bank where eroded. | 100,000.00 |
| | Rocky Mtn Arsenal Nat'l Wildlife Refuge Perimeter Trail- Minor washouts | Repair | Included in Staff Hrs & Materials Totals |
| | Prairie Gateway Open Space Trail- Minor washouts | Repair | Included in Staff Hrs & Materials Totals |
| | Second Creek Trail- Minor washouts | Repair | Included in Staff Hrs & Materials Totals |
| | Design for above mentioned projects | | 46,000.00 |
| | Soil testing/samples | | 10,000.00 |
| | Contingency | | 40,000.00 |
| | Materials | | 9,842.94 |
| | | | |
| Commerce City - Buffalo Run Golf Course | | | |
| | Labor - 3 staff members would take 5 hours to remove sand from a bunker average hourly rate \$10.25. Total average per bunker - 15 main hours at \$10.50. Number of bunkers - 56 | Bunker sand was washed out and contaminated with dirt. Sand will harden when mixed with dirt and becomes hard, not only difficult to hit out of but could be dangerous for the golfer. | 153.75 |

| | | | |
|--|--|---------------------------------------|-----------|
| | | removing contaminated sand | |
| | Remove existing contaminated sand (labor only) from 56 bunkers | | 8,610.00 |
| | Labor - 3 staff members to replace sand 5 hours = 15 hours. Total to replace sand (labor only) | Replace with new sand | 8,610.00 |
| | Total cost for USGA sand replacement | | 21,140.00 |
| | Drainage repairs to bunkers | Inspect drain lines replace as needed | 2,500.00 |
| | | | |
| | | | |
| | | | |
| | | | |
| Commerce City - Police Department | | | |
| | Unit 1037 - 2011 Ford Crown Vik On Sept 12th 2013, Office Nick Langdon #3504 was on duty operating this vehicle during the heavy flooding in the affected area around Fairfax Park. Ofc Langdon was conducting evacuation announcements from the vehicles PA system. During the course of his duties the flood waters continued to rise, Ofc. Langdon had picked up a citizen from the affected area and was transporting her out danger. Ofc Langdon was taking a route through high waters that he had seen other vehicles driving. Ofc Langdon was W/B on 70th Ave approaching Fairfax Drive when the flood waters rose over the hood of the vehicle causing the engine to stall. Ofc Langdon was able to exit the vehicle however the vehicle remained in the high waters until a tow truck could recovery the vehicle from the waters. | | 4,980.54 |
| | Unit 1007 - 2009 Crown Vic On Sept 12, 2013, at approximately 1213, Officer D.J Thompson #3513 was in the area of E.71 st Avenue and Grape Street when he was dispatched to respond to a road closure in the area of E. 69 th Avenue and U.S. 85. Dispatched had advised the road needed to be closed due to a large amount of water from the flooding which made the roadway impassable and extremely dangerous to unsuspecting travelers. While responding directly to the area, Ofc. Thompson drove through rising waters, the vehicle began making a pinging noise and stalled in the water. A tow truck was called to remove the vehicle from the water. | | 5,460.09 |
| | G4S - Security/Evac Site | | 1,352.62 |
| | G4S - Security/Evac Site | | 2,368.91 |
| | | | |
| | | | |

| | | | |
|---|--|--|---------------------|
| Commerce City - Multiple Departments | | | |
| | Various Vendors - Food/Misc Supplies | | 1,482.99 |
| | | | |
| | Staff Time 9/12 - 11/3/13 (Exempt and Non-Exempt) | | |
| | Community Development 9/12 - 9/23/13 | | 7,348.38 |
| | City Manager's Office 9/12 - 10/21/13 | | 2,145.85 |
| | Finance 9/12 - 9/13/13 | | 1,133.24 |
| | Human Resources 9/12 - 9/13/13 | | 884.77 |
| | Information Technology 9/12 - 10/21/13 | | 2,230.24 |
| | Police 9/12 - 9/20/13 | | 35,980.82 |
| | Parks & Recreation 9/12 - 10/23/13 | | 36,962.68 |
| | Public Works 9/12 - 10/30/13 | | 40,600.60 |
| | | | |
| Grand Total | | | \$718,906.01 |