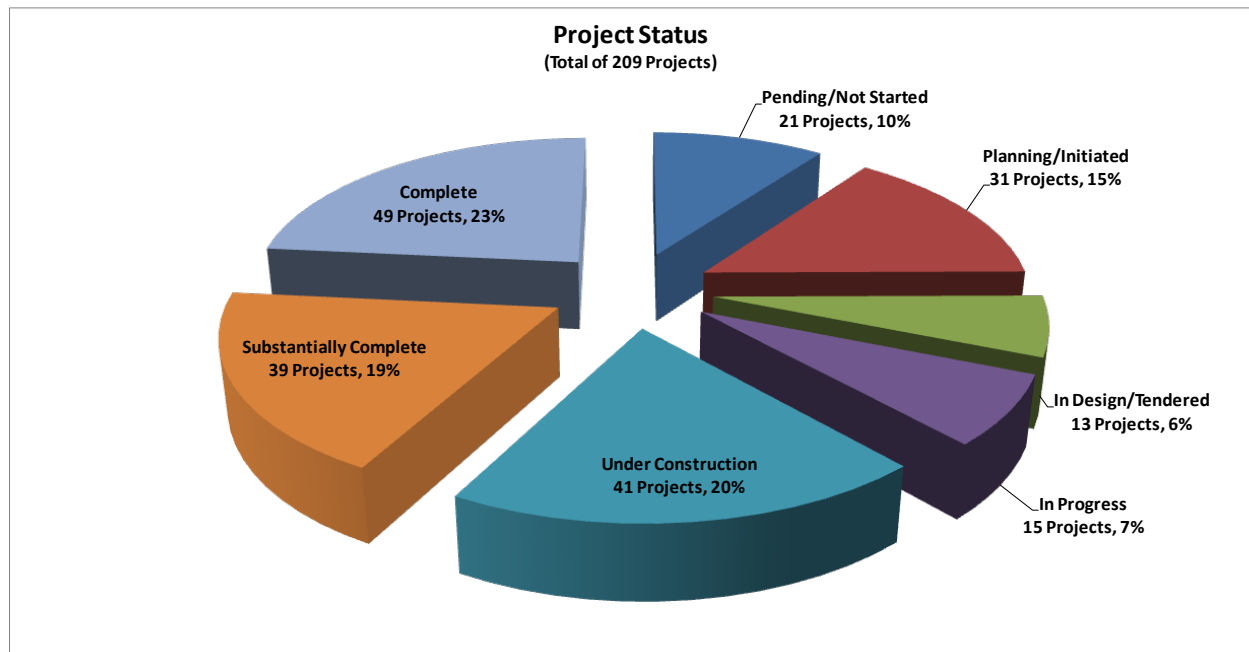


As of May 31, 2014 a total of 209 projects to restore damaged municipal infrastructure to pre-flood functional condition and address riverbank erosion have been identified. There were few areas of The City that were not impacted. The range of projects reflects this situation. Damage was reported to roadways, bridges, public transit, recreation facilities, parks, pathways, buildings, telecommunications, vehicles and water infrastructure.

Despite the significant impact to municipal infrastructure, substantial progress has been made towards repairing and rebuilding the damage. However, much work still remains. The graphic below shows a breakdown of the 209 projects by status as of May 31, 2014.



The following table provides a *sample* of projects by reported status.

Please note that *all* projects may be viewed on **calgary.ca** on the Interactive Map (http://www.calgary.ca/_layouts/cocis/calgarymap/calgarymap.aspx) that is updated on a monthly basis.

Project Status	Status Definition	Projects
Complete	Project complete; fully restored to pre-disaster condition	25 th Avenue/Scollen Bridge roadway repairs Alberta Trade Centre Building repairs Boat Launch repairs Communications Network Restoration Macleod Trail South roadway repairs Old City Hall repairs Pathway Sections (e.g. Glenmore Tr /Heritage Dr area, Riverdale Ave area)
Substantially Complete	Major functionality restored but significant work remaining to fully restore to pre-disaster	Administration Building repairs Carburn Park and Poppy Plaza restoration

Municipal Infrastructure Recovery Program – Progress Summary

Project Status	Status Definition	Projects
	condition	Calgary Zoo Buildings Civic Plaza and McDougal Parkade repairs Critical Erosion Sites (Douglasdale, Diamond Cove, Memorial Dr/19 Street) Heritage Drive roadway reconstruction Municipal Building repairs Victoria Park Transit Garage repairs
Under Construction	Repairs or reconstruction underway	Bonnybrook Waste Water Treatment Plant repairs Bowness Park restoration Central Calgary Public Library restoration Critical Erosion Sites (Home Road, Inglewood, Memorial Drive/Sunnyside) Elbow River Pedestrian Bridges (Sandy Beach, Riverdale/Sifton, Rideau Park) High Priority Erosion Sites (27) Pathway Sections (e.g. Douglasdale/Fish Creek Park area, Elbow River 9 Ave to 25 Ave area, Bowness Park/East of 85St area) Lift Stations Pedestrian Bridge Replacement (Sandy Beach, Riverdale-Sifton, Rideau Park) Stanley Park Outdoor Pool repairs
In Progress	Indicates recovery work underway for non-construction projects	Communication and Network Hardware Replacement Fleet replacement (damaged vehicles) Parks Restoration (e.g. Stanley Park, Sue Higgins Park, Sandy Beach) Pathway Sections (e.g. Alyth Bridge/Ogden Road, Zoo Bridge Underpass) Prince's Island Park restoration South LRT Corridor repairs
In Design/Tendered	Design or tendering for infrastructure recovery underway	Parks Restoration (e.g. Beaverdam Flats, Nose Creek Confluence, Weaselhead) Pathway Sections (e.g. East Bowness Train Bridge Catwalk, 16Ave NW to Hextall Bridge) Replacement Boat Launches (Quarry Park, Shouldice) Storm Water Outfall repairs
Planning/Initiated	Project planning underway	Administration Building Basement restoration Alberta Trade Centre Building Basement restoration Maple Ridge and Shaganappi Pump House repairs Parks Restoration (e.g. 12 Mile Coulee, Bowmont, Inglewood Bird Sanctuary) Pathways (e.g. Douglasdale/Enmax Sub Station, Refinery Park, Scollen Bridge Park) Shouldice Artificial Field restoration
Pending/Not Started	Project awaiting approval to proceed	Moderate Priority Erosion Sites (21) Pathways (Bonnybrook Natural Area, Deane House Pathway, Sue Higgins Park to Anderson Road/Lafarge)

Municipal Infrastructure Recovery Program – Progress Summary

From a cost management perspective, the Municipal Infrastructure Recovery Program continues to see actual costs within the approved program budget. The following summary shows approved budget and actual cost at the program level.

	2013	2014	Total 2013/14	Future Year Estimate	Total Program Estimate
Approved Budget	\$182,423,000	\$134,203,000	\$316,626,000	\$128,521,000	\$445,147,000
Actual Costs	\$101,174,360	\$16,922,061	\$118,096,421		

There is also considerable work underway with the province and insurers to complete assessments of damage and fulfill program requirements. From the perspective of the province, there are two major programs available to fund infrastructure recovery projects. They are the Disaster Recovery Program (DRP) and the Flood Recovery Erosion Control (FREC) program. Both programs have specific requirements and a defined process to be followed in order to receive either reimbursement of costs (DRP) or a grant (FREC).

The initial steps of the DRP process are well underway, but, significant work remains. Inspections are required at the start and completion of every project (at a minimum) as well as a financial submission for reimbursement of costs. From a FREC program perspective tracking of costs and periodic reporting is required as a condition of receiving grants.

In summary, despite the flood of 2013 occurring well into the 2013 construction season and the 2014 construction season getting a late start due to poor weather conditions, steady progress is being made in repairing and replacing where necessary municipal infrastructure to pre-flood condition.

While much work has been done, a considerable amount remains to fully complete the Municipal Infrastructure Recovery program of work and to meet funding obligations to the province and insurers to ensure that funding is not jeopardized.

2013 Flood: Recovery Projects

Bowness Park is undergoing extensive repairs.



Erosion control along Memorial Drive near 19 Street NW.



LRT line near Eglinton Station was replaced.



Water levels in Municipal Complex electrical vault.



Elbow River pathway bank repairs.



Riverbank erosion work is complete in Lindsay Park.



Work is underway on the new Sandy Beach pedestrian bridge.



Riverbank stabilization is complete at Diamond Cove.



- Complete / Substantially Complete
- In Progress

Date: June, 2014