

2013

SECOND QUARTER REPORT



Operational Services

Inside this issue:

Introduction 1

Water & Sewer 2

Transportation 4

Environmental Services 9

Public Works 12

Key-Bench advertising has entered into an agreement with the City of Chilliwack for the supply of benches plus total payments to the City over the 5-year term of the agreement of \$79,500. The agreement includes the provision, placement, and advertising of 110 benches and 34 recycling /waste containers along the City of Chilliwack transit routes.

The bus stop benches and waste receptacles will create an attractive look for our streets, ensure consistency to create a cost effective unified appearance while remaining consistent with our 'green community' image. See "Street Furniture Concrete Works" on Page 4 and "Transit Route Street Furniture" on Page 10 for more information.

Eastern Hillside Balancing Reservoir

The proposed project is to construct a balancing reservoir to stabilize the water system pressure in eastern Chilliwack. The reservoir will provide sufficient volume and elevation to maintain pressure throughout the peak water demand periods and ensure system reliability. The Timbro Contracting / Civic Consultants design build team is proceeding with the project. Construction work began with extensive site grading and retaining works which are required to be completed prior to the reservoir construction. This \$1,400,000 project is scheduled to be completed in Fall of 2013.



McGrath Road Water Main at CN Rail

A sink hole appeared near the CN Rail tracks on McGrath Road recently. After field investigations, it was revealed that the condition of existing 150mm diameter steel water main underneath CN Rail has deteriorated and needs replacement to protect the CN Rail line and provide reliable water supply. Preliminary survey and geotechnical work is now complete and the casing pipe design drawing is currently being reviewed by CN Rail. The plan is to issue a Request for Quotation to install a new casing pipe and water main once approval is received from CN Rail. The estimated project cost is \$60,000 and the project is scheduled to be completed by late summer of 2013.



Banford Road Water Main Replacement

Public Works completed the Banford Road Water Main Replacement in June 2013 while Engineering provided design and construction monitoring work to facilitate asphalt paving of Banford Road from Prairie Central Road to McGuire Road as part of the 2013 Pavement Improvement Program.

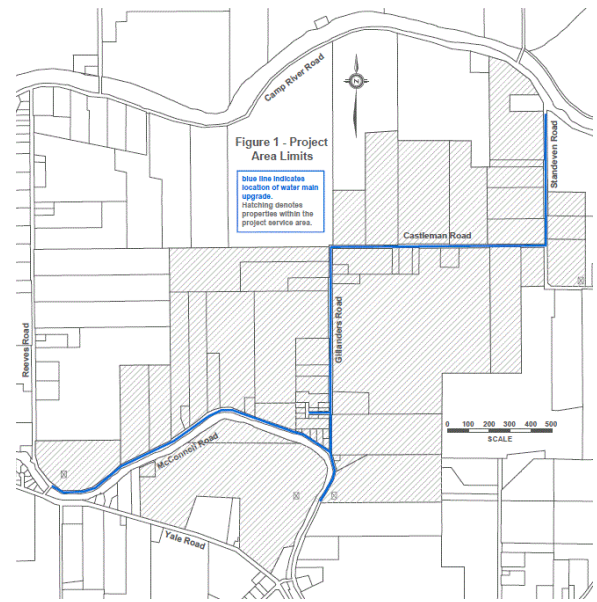
The project consisted of installing 250m of 100mm diameter Bionex water main to replace the existing 100mm diameter cast iron water main pipes. The total project cost was approximately \$40,000.



McConnell to Standeven Water Main Upgrade

In early 2013, local residents commenced a petition process to request that the City of Chilliwack install a new larger diameter water main in the area from McConnell to Standeven to provide adequate fire hydrant protection. After reviewing the petition submitted by local area residents, preliminary design work was completed along with cost estimates to upgrade the existing water main. The local area residents were informed of the total cost, the City's contribution and the individual home owner contribution, and were asked to indicate support through a non-binding petition. In May 2013, the majority of benefiting property owners gave their consent to go ahead with water main upgrade work based on preliminary cost information.

The proposed work includes installation of 4,510m of 200mm diameter ductile iron water main to replace the existing 75mm diameter cast iron and PVC water mains. The RFEI stage for this design build project is currently underway. Construction will commence only after the successful completion of the Local Area Service petition process scheduled to be held later in the year. The estimated total project cost is \$1,900,000.



Biological Treatment System Expansion

The existing biological treatment system at the Wastewater Treatment Plant (WWTP) needs expansion to accommodate increased flows and loads due to growth as well as to meet discharge quality requirements in the future. The objective of this project is to increase WWTP capacity to service the increase sewered population within the next 20 years. Associated Engineering is currently in the process of consulting the Ministry of Environment to obtain approval for higher discharge flows and completing preliminary design work for the expanded biological treatment system to achieve high quality effluent discharge in the future.



Patten Avenue Sewer Main Replacement

Public Works completed the Patten Avenue Sewer Main replacement in June 2013, while Engineering provided design and construction monitoring to facilitate asphalt paving of Patten Avenue from Main Street to Mary Street as part of 2013 Pavement Improvement Program. The project consisted of installing 45m of 200mm diameter PVC sanitary sewer main along with service connections to replace the existing 150mm diameter vitrified clay sewer pipes. The total project cost was approximately \$20,000.



Crack Sealing

This year the City has hired Sealtec Industries for the Crack Sealing Program. Cracks within the pavement allow water to penetrate asphalt causing deterioration and decreased lifespan of the roadway especially over the winter season with freezing and thawing temperatures. This year we were able to seal 11,000 lineal meters of roadway cracks on roads with various classifications (ie. Local, Collector and Arterial).



Street Furniture Concrete Works

The 2013 Street Furniture Concrete Works Contract is being performed by Contour Concrete Ltd. and is 85% complete. New Key-Bench furniture including benches and garbage / recycling containers is being installed with completion by mid July.

These works will provide a better service to the transit users and pedestrians by offering improved sidewalk clearances and boulevards with dry solid surfaces for users to board the buses.



Court House City Parking Lot

Court House City Parking lot has had the parking stalls repainted. The users are extremely pleased. This is our most popular parking lot in the downtown area. A-1 Line Painting did a great job completing the works.



Roadway Markings

Scottish Line Painting has been awarded the 2013 Roadway Marking contract and has begun installation. Centerline, lane lines, stop bars and crosswalks will be installed along 450km of road way within the City limits. The work is usually performed in the evenings which allows quicker installation and reduced chance of tracking the paint by other vehicles with less traffic on the roadways.



These roadway markings are an integral part of traffic control providing drivers clear direction when using our roadways.

2013 Concrete Works Program

The 2013 Concrete Works Program is being carried out by Strohmaier's Excavating and is progressing well with the mild weather we have had this May and June. Sidewalk along the north side of Chesterfield Avenue west of Young Road has been completed.



Spadina Avenue between Yale and First has had concrete widening, re-stripping of the roadway markings and street lighting installed for our Transit Hub. New street furniture will be arriving shortly to complete overall improved services.

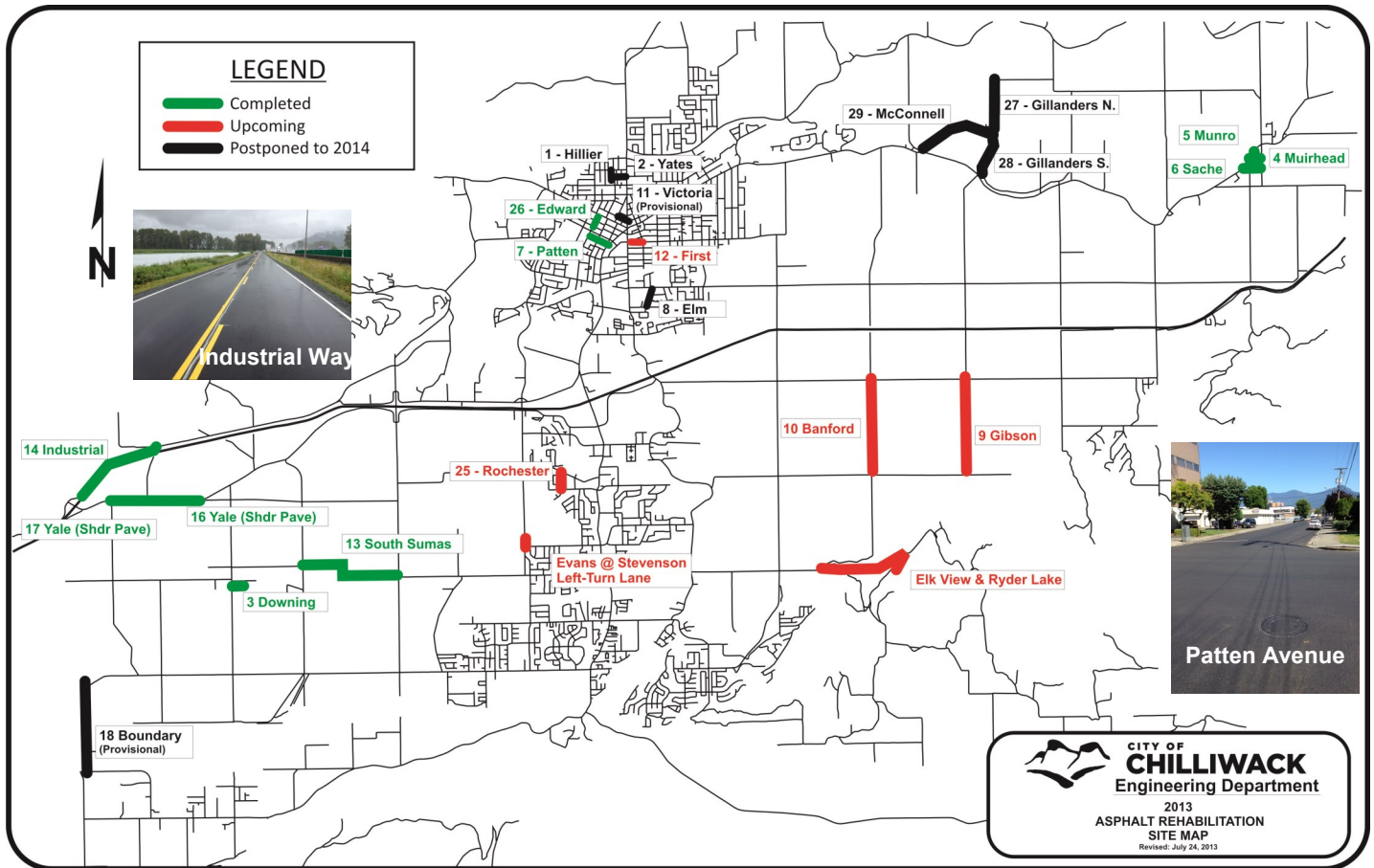


Crews is currently underway to build sidewalk on Reid Road between Stevenson and Redwood Avenue. The storm sewer and curb and gutter have been installed. Sidewalk and street lighting should be completed within the first few weeks of July.



2013 Asphalt Rehabilitation and Shoulder Paving

The Asphalt Rehabilitation and Shoulder Paving program being conducted by Keywest Asphalt is well underway. The following site map shows progress to date:



3-Way Flasher - Installation

A new 3-Way flasher was installed at Yarrow Central and No. 3 Road to supplement the 3-Way stop signs. The road markings were also updated to include crosswalks.



Open Houses

Safer City hosted two separate Open Houses in the second quarter. The annual “Roundabout’ Open house was held outdoors on April 10th this year in the northeast parking lot at the Roundabout. Engineering staff and RCMP were available to address questions and comments.

The second Open House held was focused on “Scooter and Low-Powered Vehicles”. The introductory event was hosted in the lobby of City Hall on April 18th. Many visitors had opportunity to have their questions answered by Engineering staff, the RCMP, ICBC and City Scooter staff. Displays included electric bikes and scooters, static displays, electric wheelchair/scooter accident displays and take away information. Due to the success of the event the Safer City team will strongly consider hosting additional events in the future.



Kindness Crew

The Safer City team joined forces with Star FM and Royal LePage for a “Kindness Crew” project to reward good driver behaviour in the school zone of Tyson Elementary. Two students from Tyson Elementary, Heather from Star FM, realtors from Royal LePage, the RCMP and Engineering staff all welcomed one dozen ‘good drivers’ during their morning commutes. Drivers received a gift certificate for a local business, a cup of hot coffee with a keep sake ceramic mug and a huge ‘thank you’ from the students for obeying the posted speed limit. Future deployments are planned for later in the year.



Road Safety Day

The first annual “Road Safety Day” was an overwhelming success. The event was held in the Sears parking lot at Cottonwood Mall. Crowds enjoyed displays, conversations and hands-on experience from the following Safer City team members and supporters:

- Safer City tent
- ICBC
- RCMP Traffic Unit and Auxiliaries
- Wally’s Autobody & Towing
- BCAA (Child Seat Checks)
- MADD Canada
- CN Rail
- BC Ambulance
- IRSU – Fraser Valley Integrated Road Safety Unit (Child Seat Checks)
- CVSE – Commercial Vehicle Safety Enforcement
- Fire Department
- Speed Watch
- Kal-Tire

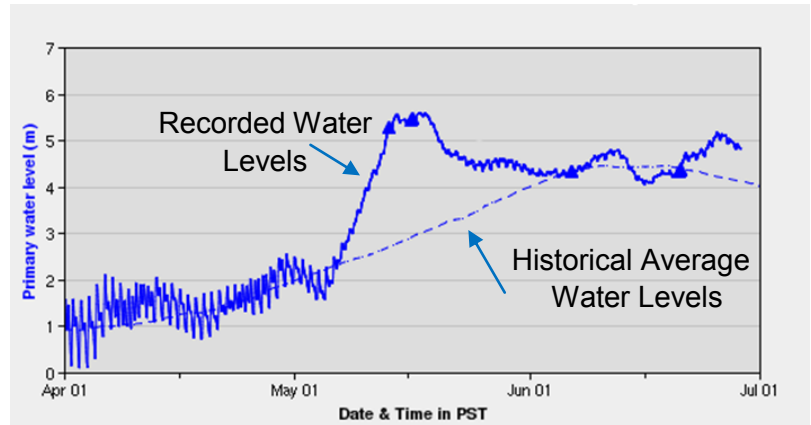


Star FM was onsite for a portion of the day and Councilor Attrill attended to announce the winners of the 11 prize draws. Feedback from onsite surveys showed that the theme of ‘road safety’ was well received and also provided opportunity for the Safer City team to reflect on areas of concern from the public. The team looks forward to expanding the event next year.

Fraser River Freshet

The Fraser River peaked much earlier than normal this year due to an extended hot spell in early May. Water levels reached a peak of 5.6 metres at the Mission Gauge during the week of May 13 – 19, which is almost 3 metres higher than the historical average water level for that time of year.

Based on information from the BC River Forecast Centre, notifications regarding potential flooding or access restrictions were delivered to some properties in the unprotected floodplain areas as a precaution. Although water levels rose rapidly, they remained below levels of concern for flood risk in the community.



Wing Dyke Realignment

Planning is underway to realign a section of the Wing Dyke on Island 22. The section of dyke will be set back from the eroding bank line. Negotiations with adjacent property owners are in progress and an application has been submitted to the Province for approval under the Dyke Maintenance Act.



New Donation - Nestle Waters Canada Downtown Street Furniture

Nestle Waters Canada donated over \$20,000 to place 12 new garbage/recycling containers in the downtown area, as well as two street-side benches. This is a major contribution to our community, to keep litter off the streets and to promote recycling in public spaces. The newly refurbished containers are designed with three compartments: one for garbage, one for cans and bottles, and one for all other recyclables. They match the 10 existing containers in the downtown area, for a unified look. A recognition reception was held on June 17th, with representatives from Nestle, the BIA, Chamber of Commerce, and City of Chilliwack Council and staff. Speeches were given by John Challinor of Nestle Waters and Mayor Sharon Gaetz.



Transit Route Street Furniture

In partnership with the Transportation group, new street furniture at transit stops is being installed by Key-Bench Advertising. The new benches and garbage/recycling containers provide a unified, modern look to Chilliwack's streets and facilitate recycling. The new design has been met with approval from the public.



Emterra's June Shred-a-Thon

The Shred-a-Thon was again a success in June. With a matching donation of \$1000 by Emterra, this event raised over \$2700 as well as 750 food items for the Food Bank. The event is well attended and helps support our local food bank during a low period.

Bike to Work Challenge

The annual Bike to Work initiative has a component for the public and an interdepartmental challenge for City staff.

Public Participation - 344 community members sustainably commuted during the program and submitted ballots to win a free bicycle donated by Pedal Sport. The prize bike was won by Joe Bachmeier who walks up to 5km daily instead of driving so he can keep fit and enjoy the outdoors.

101 City of Chilliwack staff from nine different departments logged a total of 10,350 km of leisure activities and 800 km of sustainable commuting during the 2013 Bike to Work and Fitness Challenge.



Bike to Work Week raffle winner Joe Bachmeier with Mayor Gaetz and his new bike.

New - Earth Month

April 2013 was officially branded “Earth Month” by the City and included several events and activities centred on waste reduction and recycling.

Pitch In (Community Clean-ups): 24 tonnes of waste / recyclables collected

Sixty non-profit groups picked up garbage by the sides of City roads, removing 7 tonnes of litter. Six volunteer groups went to local residences to transport large, bulkier items to the landfill for disposal or recycling, totaling almost 13 tonnes. In addition, the “roadside pick-up groups” and “residential pick-up groups” collected 4 tonnes of green waste and delivered it to the Parr Road Green Depot to be composted.

Scrap Metal Recycling: 52 tonnes of metal diverted

Scrap metal was received for free at the Bailey Landfill during the month of April.

Semi- Annual City-Wide Garage Sale

260 residences registered for the Spring City-wide garage sale. This initiative supports our reuse and recycle goals at little cost to the public.

River and Vedder Mountain Cleanups:

The Fraser Valley Permaculture Guild Meeting organized local Yarrow residents to clear debris from the Majuba Hill/Vedder Mountain hillside. Over 17 tonnes of material were collected.

The Fraser Riverkeeper Society organized and recruited volunteers for a river cleanup at Gill Road in April, collecting over 5 tonnes of waste.

The spring Adopt a River event collected over 4 tonnes of waste from the Chilliwack/Vedder River.

Free tipping at Bailey Landfill was provided as well as safety vests and bags.



Fraser River Cleanup

Bailey Landfill Annual Report

As a condition of our Operational Certificate with the Ministry of Environment (MOE) the Bailey Landfill Annual Report was submitted. The annual report includes review, analysis and comparison of the water quality results from the monitoring program with applicable water quality standards. The report also includes data on recyclable diversion amounts from the Bailey Landfill programs as well closure requirements.

Sidewalk Repairs April – June

A section of sidewalk was replaced on 9175 Mary Street due to the tree roots lifting the panels, causing trip hazards. This was identified through sidewalk inspections and service requests.

The sidewalk was moved over to create a bigger tree well. One tree was removed due to rot and a new tree will be replanted by Parks.

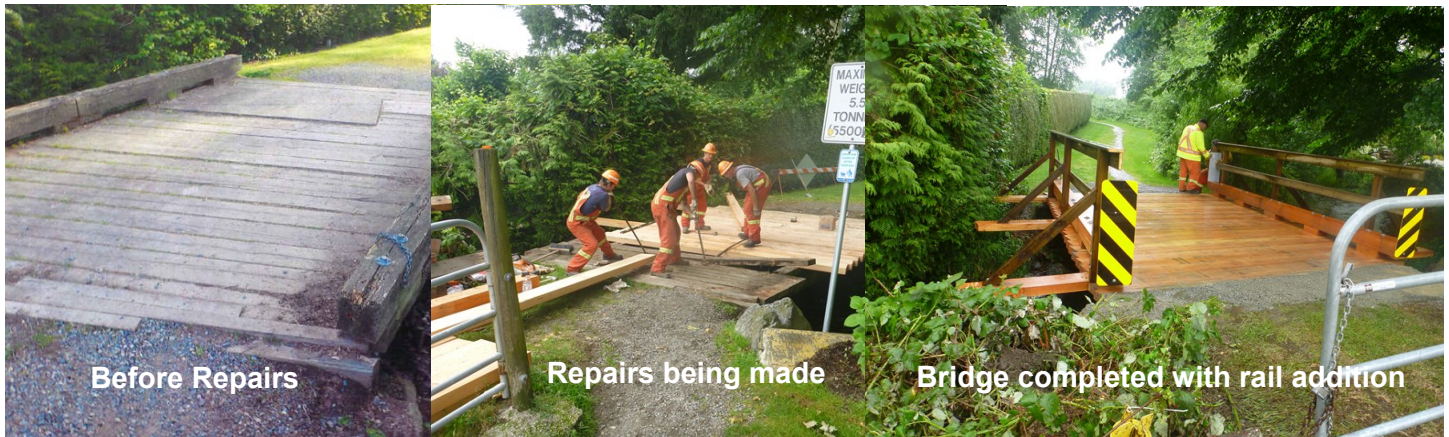
Hazard panels on 9311 Mary Street were removed and replaced to gain bigger tree wells while maintaining 1.5m of width for the sidewalk.

The sidewalk ramp on the corner of Edwards Street and Brett Avenue were replaced because water ponding in the middle of the ramp made using the ramp a hazard. The curb and gutter were replaced to enable water flow around the corner to the existing catch basin. The sanitary manhole was also lowered, eliminating the mound that wheelchairs would have to climb over. This hazard was identified through the sidewalk inspections and service requests.



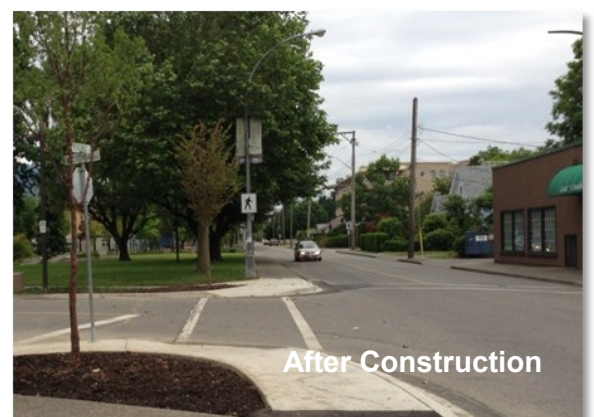
Haig Drive Bridge Reconstruction

The Haig Drive bridge was identified in the 2012 Bridge Inspection and Maintenance Report to be in need of repair. City crews stripped and replaced all deck planking and added a railing as per the report recommendations.



Downtown Greening Project – Victoria Avenue

Public Works and the Parks, Recreation and Culture Departments teamed up to tackle the latest downtown roadway improvement project on Victoria Avenue. The area between Young Road and College Street is nearing completion with upgrades to curb, gutter and sidewalks and new landscaped bulbs at intersections. The curb and gutter was in poor condition and needed to be replaced in advance of the upcoming asphalt overlay. Also, the sidewalk throughout this section posed numerous trip hazards due to cracking and settlement. The work was funded through a \$70,000 Downtown Greening budget and Public Works sidewalk replacement budget. Proposed completion is to be just before the Party in the Park events starting in July.



Cross Connection Control Program

During the first half of 2013, the City of Chilliwack continued to make great progress with the Cross Connection Control Program. A significant portion of the Cross Connection Control Program is the continued surveying of existing facilities which is a means of safeguarding our water distribution system through the selection and installation of a backflow prevention device. To date, this year, there has been the addition of 110 testable backflow prevention devices installed within the water distribution system. As well, City utility crews have installed 81 backflow prevention devices on residential water services as a part of the City's water system upgrades.