

November 15, 2010

To: City Manager and City Commissioners
From: Steve Gregorich, Interim City Engineer

Re: Status Report, CSO Phase C-1 and C-2 Projects

As you are aware, the City of Sault Ste Marie is presently undertaking a major utility and street reconstruction project known as the CSO Control Project. The project involves the sanitary and storm sewer separation in the northern part of the island area of the city. The sewer separation is required as a condition of the MDNRE National Pollutant Discharge and Elimination System permit which has been issued for the city wastewater treatment plant. The city has been separating the sewer systems in accordance with the CSO Control Program as approved during 1994. Along with the sewer separation, the city has also been replacing deficient water mains and reconstructing streets and replacing sidewalks where necessary.

During 2009, the city entered into contracts with various construction firms to perform the necessary work on the CSO Phase C-1 and C-2 projects: Following are the contracts entered into by the city:

Division A & B	Bacco Construction Co.	\$10,840,119.85
Division C	Pumford Construction, Inc	697,500.00
Division D	Burton Excavating, Inc	653,739.95
Division E	Burton Excavating, Inc	298,413.83
	Total	\$12,489,773.63

Construction activities on the various projects commenced during April, 2010. The early spring weather allowed for an early construction start on the projects. Normally, construction activities do not commence in Sault Ste Marie until mid-May. As a result of the early start date, the contractors have been able to complete a major portion of the required underground utility work and have completed several of the streets with curb and gutter and asphalt paving.

As of October 31, 2010, the projects have been completed as follows:

Division A & B	Bacco Construction	47 % complete
Division C	Pumford Construction	98 % complete
Division D	Burton Excavating	46 % complete
Division E	Burton Excavating	95 % complete

The following status report details the work completed to date and the work remaining to be completed on each of the streets included in the projects:

Divisions A & B Bacco Construction

Streets which are complete

Pine Street – Peck Street to Ridge Street
Peck Street – Osborn Boulevard to Pine Street
Arlington Street – Osborn Boulevard to Pine Street
W. Spruce Street – West of Pine Street to Pine Street

All work on these streets has been completed including the underground utility work, concrete curb and gutter, base and top course of bituminous pavement, concrete sidewalks, driveway approaches and restoration including sodding. Minor restoration work will be required during the 2011 construction season.

Streets which are complete, except final restoration

Peck Street – Ashmun Street to Osborn Boulevard
W. Spruce Street – Pine Street to Osborn Boulevard
Brady Street – E. Portage Avenue to Water Street

All work has been completed including the underground utility work, concrete curb and gutter, base and top course of bituminous pavement, concrete sidewalks and driveway approaches. Various restoration work remains to be completed (topsoil, sodding, drives behind sidewalk). On Brady Street, minor sidewalk repairs are required.

Streets which are partially complete

Water Street & Osborn Boulevard – Johnston Street to W. Portage Avenue
Osborn Boulevard – W. Portage Avenue to Ridge Street

All work has been completed including the underground utility work, concrete curb and gutter, base course (only) of bituminous pavement, concrete sidewalks and driveway approaches and partial restoration including sodding on Water Street. The placement of the underground electrical conduit and the concrete walkway from Water Street to the rear of the Federal Building are also complete. Work remaining on Water Street includes the placement of the top course of bituminous paving, concrete sidewalk on the south side of the street behind the Pullar Arena. This work will be completed during the 2011 construction season. Work remaining on Osborn Boulevard includes sidewalk and drive approach installation (in progress), placement of the top course of pavement and various restoration work.

There is additional work proposed for the "island" area adjacent to the westerly side of the Post Office. This work will be completed during the 2011 construction season

Streets which are partially complete but require additional work

Ridge Street – Osborn Boulevard to Magazine Street

Work completed includes all underground utility work, concrete curb and gutter, base course (only) of bituminous pavement. Due to the approaching winter season, the installation of the concrete sidewalks, drive approaches and final restoration will be delayed until the 2011 construction season. All residences will have temporary aggregate drives for the winter season.

Streets on which construction activity has commenced (2011 completion)

Johnston Street – Water Street to E. Portage Avenue
Johnston Street – E. Portage Avenue to Maple Street

The sanitary sewer and water main installation is complete from Water to Portage; sanitary sewer is complete from Portage to Maple. Temporary aggregate surface has been placed full width from Water to Portage and half width from Portage to Maple. The storm sewer installation, continuation of the water main installation and the street reconstruction will be completed during 2011. The Portage Avenue/Johnston Street intersection has been temporarily paved for the winter season.

Division C Pumford Construction

Pumphouse (Sanitary Lift Station), Water Street/Johnston Street Intersection

All work has been completed except for minor interior painting and general clean-up. Training and start-up of the station has been on-going. Contract is basically complete.

Division D Burton Excavating

Kimball Street – Maple Street to E. Portage Avenue

Work completed includes all underground utility work, partial concrete curb and gutter placement, base course (only) of bituminous pavement, concrete sidewalks and drive approaches. Various curb work remains to be completed at the Maple Street intersection. It is anticipated this work will be completed this week (November 15-19, 2010)

Maple Street – Kimball Street to Johnston Street

Work completed includes all underground utility work, partial concrete curb and gutter placement, base course (only) of bituminous pavement. Various curb work remains to be completed at the Kimball Street intersection and at various catch basins along the street. It is anticipated this work will be completed yet this week. The sidewalk replacement and the completion of the drive approaches will be delayed until the 2011 season. All residences will have aggregate drives for the winter season.

Division E Burton Excavating

Foss Street – W. 5th Avenue to W. 4th Avenue
Hyde Street – W. 5th Avenue to W. 4th Avenue
W. 12th Street – W. 6th Avenue to W. 5th Avenue

These projects have been completed. The Foss Street hill paving project was completed at the same time as the paving from W. 5th Avenue to W. 4th Avenue. The only remaining work involves various punch list corrective work.

2011 Construction Season

Work on several streets included in the projects will not commence until the 2011 construction season. Following is a listing of the streets and the work to be performed on each:

Division A&B Bacco Construction

E. Portage Avenue – Ashmun Street Easterly to the Power Canal

Work as proposed – Install sanitary sewer, storm sewer and water main, excavate and backfill the roadway base, place aggregate base, concrete curb and gutter, bituminous pavement, construct concrete sidewalk and drive approaches as necessary, restoration and sodding.

Ashmun Street – Portage Avenue to Water Street

Work as proposed – install sanitary sewer, water main, excavate and backfill the roadway base, place aggregate base, concrete curb and gutter, bituminous pavement, construct concrete sidewalk and drive approaches, restoration as necessary.

Maple Street – Johnston Street Easterly to the Power Canal

Work as proposed – Install sanitary sewer, water main, minor storm drainage work, excavate and backfill the roadway base, place aggregate base, concrete curb and gutter, bituminous pavement, construct concrete sidewalk and drive approaches as necessary, restoration and sodding.

Magazine Street – Gros Cap Street to Emiline Street

Work as proposed – Install water main, 2 sanitary manholes, excavate and backfill the roadway base, place aggregate base, concrete curb and gutter, bituminous pavement, construct concrete sidewalk and drive approaches, restoration and sodding.

W. Spruce Street – Osborn Boulevard to Ashmun Street

Work as proposed – Install water main, 2 sanitary manholes, excavate and backfill the roadway base, place aggregate base, concrete curb and gutter, construct concrete sidewalk and drive approaches, restoration as necessary.

Johnston Street – Portage Avenue to Maple Street

Work as proposed – Install sanitary sewer, storm sewer, water main, excavate and backfill the roadway base, place aggregate base, concrete curb and gutter, bituminous pavement, construct concrete sidewalk, drive approaches, restoration and sodding.

Bingham Avenue – Portage Avenue to Water Street

Work as proposed – Install sanitary sewer, excavate and backfill the roadway base, place aggregate base, concrete curb and gutter, bituminous pavement, construct concrete sidewalk, drive approaches, restoration and sodding.

Division D Burton Excavating

Bingham Avenue – Maple Street to Portage Avenue

Work as proposed – Install sanitary sewer, 2 storm manholes, excavate and backfill the roadway base, place aggregate base, concrete curb and gutter, bituminous pavement, construct concrete sidewalk and drive approaches as necessary, restoration.

As the winter season is nearly upon us, construction activities will soon be coming to a close. All available asphalt plants have already closed for the season. I feel that we were very fortunate to have accomplished the bituminous paving which was recently completed.

Much of the construction work this past season involved the street systems in the downtown area and adjacent to the Soo Locks business district. The contractors accomplished the necessary work while also cooperating with the business concerns to maintain reasonable ingress and egress to the area. Certainly we had many problems. However, through cooperation, I believe that we were able to work through the traffic problems and were able to provide adequate access to visitors to the City and the Soo Locks area.

Based upon the work completed this construction season, there should be no problem completing all of the remaining work during the 2011 construction season. The major project next year will be the utility construction and complete reconstruction of E. Portage Avenue from Ashmun Street to the Power Canal.

This construction will necessitate the closure of Portage Avenue for an extended period of time. This street closure will again cause traffic detours for tourist traffic to attractions located easterly of the Power Canal and to downriver residents of the City and Chippewa County. Further complications in maintaining traffic will be caused by the proposed closure of Ashmun Street by the Michigan Department of Transportation.

During the closure, Portage Avenue traffic will be detoured by way of E. Spruce Street and E. Easterday Avenue (Truck Route). The detour routes will be very similar to the routes as utilized during this construction season when the Portage Avenue/Johnston Street closure was required. Water Street will be available next year for routing traffic to the Sault Locks Boat Tours, Museum Ship Valley Camp, City Marina, Pullar Arena and the Historic Homes District.

City staff, C2AE (consultant engineer) and the Contractors (Bacco, Burton) will be meeting to discuss the construction sequence for Portage Avenue during the 2011 season. A meeting will be held at 1:00 PM, December 9, 2010. Later that afternoon at 4:00 PM, a meeting with all of the affected business concerns will be held to discuss the proposed construction sequence plan. Hopefully, a reasonable construction plan can be arrived at which will allow for the contractor to proceed with an expedient, efficient work operation while also providing for reasonable access to the business concerns along Portage Avenue.

Should you have any questions regarding any of the information contained in this report, or would like to discuss the project status at any time, please feel free to contact me at the City Engineering Department.