



KEY INFORMATION REPORT

Transportation Services

10/18/2021

SUBJECT: Transportation Projects Update

BACKGROUND:

The following is provided as an update on major projects within the Transportation Department.

Boundary Bridge

The work on Boundary Bridge was wrapped up in September and the bridge has reopened to the public. The project was completed under budget.

Winchester CPR Grade Separation

Work on the Stage 1 side is complete. Switch-over to stage 2 occurred on October 6th. The project is behind schedule by approximately 1 week, as a result of both material shortages and coordination issues. The project is anticipated to be complete on budget, around the first week of December.

Cold weather work, particularly concrete casting and the final paving is an issue that County staff are keeping a close eye on and working with the contractor to avoid.

McPhee Bridge

The full closure of the bridge has allowed the contractor to increase productivity and are now on schedule.

The much-anticipated steel components to complete the guiderails arrived on Thursday, October 7th. The anticipated full re-opening date is October 22th. The project is expected to be completed on budget.

Biennial Bridge Inspections (OSIMS)

The biennial bridge inspections have been completed and the final report has been provided to County staff. In order to stay on top of upcoming rehabilitations and reconstruction work, the recommendation is that the County will need to budget approximately \$5M annually, which is an increase from current budget levels.

Morrisburg Roundabout and Streetscaping

All underground work has been completed. The roundabout itself and associated road work is in progress, as is the construction of the pathways and landscape features.

Based on current progress and remaining work, staff are projecting final costs of approximately \$4.5 million, with apportioning to South Dundas and SDG remaining nearly on target (County proportion at 83% and South Dundas proportion at 17%). The contract was approved at \$4.98 million, with the prospect that re-work cost savings would result in final costs of \$4.6 million (County 84%, South Dundas 16%).

After accounting for federal and municipal funding, the out-of-pocket expenses for the County and Municipality are approximately \$1.38M and \$278K respectively.

SDG 18 Reconstruction in St. Andrews

Paving commenced on October 7th. As of Monday, October 18th, it is anticipated that all site work will be complete and crews and equipment removed from site.

SDG 18 Reconstruction in Martintown

This project is moving along well. The underground work has been completed. Remaining work includes removal of the contaminated material and reconstruction of the road's granular and asphalt structures.

The project is on budget. There is an estimated 4 weeks remaining before completion.

Microsurfacing

Microsurfacing was completed by October 8th. During the work, staff identified that there was a potential for budget over-run on County Road 31 north. Given that this area is proposed for microsurfacing in 2022, staff terminated the work short of the anticipated ending to ensure we remained on budget.

Warden's House Renovation

The demolition and structural renovations have been moving forward. The basement structural reinforcement plan was modified prior to demolition to streamline the installation process and avoid disturbing any of the designated substances known to be present. Demolition of the ground floor interior has not encountered any designated substances.

At the present time, work completed includes consultations by the design engineer, select electrical and plumbing removals, partial structural demolitions and some basement structural reconstruction.

The temporary removal of the boiler heater in the basement of the warden's house was required to support the installation of the new basement columns. During the removal of the boiler, it became apparent that the chimney flue for the existing mid-efficiency boiler was in poor shape and the unit could not be safely reconnected to the existing chimney. It was determined that the existing boiler is approximately 20 years old and although it

functions now, it can reasonably be assumed to be nearing its end of life. Chimney repairs would cost in the order of \$4,500 to support re-installation of the existing boiler.

County staff obtained a quote of approximately \$13,000 for a new high-efficiency boiler, including the installation of new direct air supply and exhaust ducts, and the capping of the existing chimney.

The total cost commitment to date, inclusive of engineering, removals, structural reconstruction and the boiler replacement are in the order of \$65,000. With the \$200,000 global budget approved by Council, there remains sufficient funds to complete the necessary work.

CCTV Storm Sewer Inspections

The CCTV storm sewer inspection program was initiated to develop an accurate inventory of all storm sewers owned by the County, including information such as pipe length, diameter, material, and condition. This storm inventory will form a core part of SDG's Asset Management Plan, bringing us into conformance with O.Reg 588/17. The submission deadline for the expanded asset management plan for all core County assets is July, 2022.

Prior to the start of the CCTV work, a draft inventory and pipe layout were developed by staff based on historical records drawings, many dating back to the 1960's. Not all of the required information was obtained from the record drawings. Except for the regular cleaning of catchbasins and associated structures, the County had not been regularly inspecting and cleaning its storm sewers.

The CCTV inspections have taken much longer than anticipated due to the fact that there was significant sewer cleaning needed (the pipes need to be flushed before the video inspection could take place), there were discrepancies between the as-built information and actual site conditions and the contractor has been dealing with labour shortages.

The delay in schedule has not impacted other work, and the information collected to date has been sampled and is expected to be invaluable in both updating the asset registry to reflect real world conditions and in determining appropriate asset management plan based on current conditions.

Centreline and Specialty Marking

Centreline painting and specialty marking will be complete by October 15th, 2021. Several County roads projects, such as Morrisburg, St. Andrews, County Road 8/18 and Martintown will not be completed under this contract. Each of these projects includes a contingency for line painting.

COMMENTS/OBSERVATIONS:

2021 has been Transportation Services busiest construction season ever. Even with this increased workload, County field staff have again provided professional and vigilant oversight on the aforementioned projects and ensured that our organization is completing its major work on time and on budget.

In staff's view, SDG's Field Technician and two Survey/Contract Inspectors deserve significant recognition for their effort in making this a successful construction year.

Respectfully Submitted.