



The Corporation of the Town of LaSalle

To: Mayor and Members of Council

Prepared by: Peter Marra, P.Eng. – Director of Public Works

Department: Public Works

Date of Report: November 5, 2020

Report Number: PW-31-20

Subject: DMAF Grant – Storm Drainage Study (consulting service award)

Recommendation

That the report of the Director of Public Works dated November 5, 2020 (PW-31-20) regarding the DMAF Grant – Storm Drainage Study (consultant services award) be RECEIVED and the Council AWARD the consulting service for this study to Stantec Consulting Ltd. and that Council AUTHORIZE the execution of an agreement between the Town and Stantec for these services.

Report

It was recently announced that the Town was successful in receiving the Disaster Mitigation and Adaption Fund (DMAF). The Town of LaSalle's project that was successful for the DMAF grant is mitigating flooding concerns along Front Road and adapting our storm and sanitary systems for high water levels. The primary area of focus for this grant will be for the area along Front Road from the Marentette Drain northly to Turkey Creek.

The first steps of this project will be to undertake a comprehensive/complete storm drainage system master plan for the areas discharging into the Detroit River. Through this master planning process, there will be an opportunity to better refine what the ultimate solutions will be, give the Town a "road map" for the current DMAF project/improvements and will provide the Town with directions and costing for any planned future improvements to better extend this through the residential neighborhoods. The master planning process will also include and involve Town residents through a public consultation process.

The Town initiated discussion with Stantec Consulting early in September 2020, well before learning about our DMAF grant success. Through multiple meetings and

discussions, between the Town and Stantec, Stantec has developed and submitted a proposal and work plan for the master drainage study.

Recognizing the master drainage study covers a large area, we have broken the study area into three distinct stages. By doing this, it provides for three separate studies of the three proposed staged areas. These three separate staged studies will have a staggered commencement and will be occurring concurrently with each other. This staged/staggered approach will allow the Town and Stantec to better focus in on individual areas, and when public consultation occurs, it will allow residents to only have to attend the study public consultation that pertains to their areas. Of course, the public is always welcome to be informed of all the studies, if they so wish to do so.

The following provides a brief description of the three-stage areas along with a high level generalized description of lands that are involved. It should be noted that each staged area will be better refined and confirmed as part of the study. The three stages are as follows;

Stage 1 – Areas North of Marentette Drain to Turkey Creek

This stage is within the existing built up area along Front Road and generally consist of the area from Turkey Creek to Marentette Drain and from the Detroit River to about Michigan.

Stage 2 – Marentette Drain Area

This stage is primarily the Marentette Drainage area and that area generally extends from the Detroit River to about Sandwich Secondary School and picks-up the existing built-up areas along the Marentette Drain.

Stage 3 – Areas South of Marentette Drain

This stage area is for land south of Marentette Drain to the Town border with Amherstburg and generally covers the lands having immediate frontage along Front Road to the Detroit Rivers water edge.

As noted earlier, the DMAF grant has been identified at this stage to cover the primary outlet improvements and some isolated trunk storm drainage system improvements in the stage 1 and stage 2 areas only. The proposed improvements as part of the DMAF grant will be the large ticket items, such as the outlet pump stations, any sort of storage facilities and larger diameter storm sewers. This work will benefit most the lands within these two staged areas.

This will allow the Town to continue to build and expand the system in the future through the actual residential areas and pick up and provide for individuals properties to connect

into this system. The study component for this project will develop the ultimate proposed future solution, costs and allow the Town to work through future budgeting process' to continue to build upon the DMAF grant project and provide future improvements and expansion of the storm drainage system.

Consulting Service Fees

Stantec has submitted three separate proposals for the three stages. The following are the costs to complete these three large master drainage studies (excluding HST);

Stage 1	\$226,600.00
Stage 2	\$118,400.00
Stage 3	\$121,900.00

The proposed work within each study area is to complete a computerized hydrologic/hydraulic model of the areas, identify proposed improvements to address high water levels and the existing built conditions, evaluate various storm intensity, up to and including the 1 in 100 year event, communicate with the Town residents in the area (through public meetings) and meet any of the applicable legislation through the Environmental Assessment Act.

Study Schedule

As noted earlier, the three separate study components have been identified to be staggered starts and to occur concurrently. The following is the initial anticipated completion dates for each study;

- Stage 1 – completion March 2022
- Stage 2 – completion June 2022
- Stage 3 – completion August 2022

Within the schedule of each respective stage studies, there are two public meetings with residents, these schedules allow for comment/concern submissions after each public meeting and allows for the various mandatory review timelines through the EA process.

Closure

It is recommended that Council approve the award of the consulting service for the drainage study required for the DMAF grant project to Stantec Consulting Ltd. and authorize execution of an agreement between the Town and Stantec for the same.

Consultations

As noted, the proposed study will involve public consultation and as the work gets underway, this will be communicated out through our website and various social media feeds.

Financial Implications

Finance for this study will form part of the DMAF grant.

Prepared By:

A handwritten signature in black ink, appearing to read 'Peter Marra', with a stylized, cursive script.

Peter Marra, P.Eng. – Director of Public Works

Link to Strategic Goals

	Enhancing organizational excellence
X	Sustain strong public services and infrastructure
X	Strengthen the community's engagement with the Town
	Grow and diversify the local economy
X	Build on our high-quality of life

Communications

	Not applicable
	Website
	Social Media
	News Release
	Local Newspaper
	Bids & Tenders
	Notification pursuant to the Planning Act

Notifications

Name	Address	Email

Report Approval Details

Document Title:	PW-31-20 DMAF Grant Storm Drainage study consultant award.docx
Attachments:	
Final Approval Date:	Nov 6, 2020

This report and all of its attachments were approved and signed as outlined below:



Chief Administrative Officer

Joe Milicia