

MINUTES

PUBLIC UTILITIES COMMISSION

**CIVIC CENTRE
COUNCIL LOUNGE**

**APRIL 6, 2009
3:30 PM**

PRESENT: Chairman Bryon Fluker, Commissioners Steve Pinsonneault, Frank Vercouteren, Sheldon Parsons, Joe Faas, Mayor Randy Hope, CAO Rob Browning and Senior Level Advisor Jack Sonneveld.

NOT PRESENT: Commissioner Steve Pickard, General Manager Tom Kissner and Facilities and Systems Manager, Rob Bernardi.

1. CALL TO ORDER

Chairman Fluker called the meeting to order at 3:30 PM.

2. DECLARATION OF PECUNIARY INTEREST

NONE

3. REPORTS

c) Award of Tender: St. Clair Street Combined Sewer Replacement

MUNICIPALITY OF CHATHAM-KENT
INFRASTRUCTURE AND ENGINEERING SERVICES
PUBLIC UTILITIES COMMISSION

TO: PUC Chairperson and Commissioners
FROM: Stephen Jahns, B.A.Sc., P.Eng.
Manager, Infrastructure and Transportation
Engineering and Transportation Division
DATE: March 18, 2009
SUBJECT: Tender Award: Contract T08-258
St.Clair Street Combined Sewer Replacement
Community of Chatham, Municipality of Chatham-Kent

RECOMMENDATIONS

It is recommended that:

1. The tender in the amount of \$ 2,434,950.00 (\$ 2,319,000.00 plus 5% GST) for the work associated with Contract T08-258 St.Clair Street Combined Sewer Replacement in the Community of Chatham be awarded to Henry Heyink Construction Limited of Chatham, Ontario.
2. The award be subject to receipt of the appropriate approvals from the Ministry of Environment.

BACKGROUND

In recent years, the, Municipality of Chatham-Kent has experienced the need to undertake emergency maintenance repairs on the existing combined sewer on St. Clair Street in the Community of Chatham. Although the exact date of construction of this sewer is not known, it is estimated that the sewer was constructed approximately 75 to 80 years ago.

Repairs conducted to date have primarily been associated with the replacement of collapsed lengths of vintage vitrified clay pipe ranging from approximately two metres to six metres below the finished road surface elevation. These repairs have been challenging for Public Works staff to undertake considering the need to maintain sewer flows, maintain traffic flows, the degree of excavation required and the fragility of the sewer itself.

It should be noted that the watershed associated with this combined sewer is sizeable and is approximately bound by Sandy Street, Victoria Avenue, McNaughton Avenue and the Thames River.

In an attempt to thoroughly assess the condition of this valuable asset, the Public Utilities Commission charged Engineering and Transportation Division with the task of coordinating an investigation of this sewer to identify any operational issues with same. In late 2006, Sewer Maintenance Services of Kingsville, Ontario was retained to undertake the following work associated with the evaluation of 1.2 kilometres of combined sewer and 16 maintenance hole structures:

- flushing of sanitary sewer lines – cleans accumulated debris
- cctv inspection – allows for accurate inspection of infrastructure
- fog testing – allows for identification of any cross-connected services and appurtenances
- maintenance hole inspection – allows for accurate inspection of infrastructure

The results of the investigation were presented to the Public Utilities Commission in early 2007 and the project was slotted into the lifecycle replacement program.

COMMENTS

In early 2008, Chatham-Kent Council received and approved *Report to Council 2966* which saw the consulting engineering services for this project awarded to *Stantec Consulting of Windsor, Ontario* further to the successful panel evaluation of their submitted proposal.

Engineering design commenced immediately thereafter and included a well-attended *Public Information Centre* held in Council Chambers at the Chatham-Kent Civic Centre.

The project was let for competitive public tender in late February of 2009. The Purchasing Officer received and opened tenders publicly for the work on March 5, 2009. The tender results were as follows:

Tender Results Contract T08-258 St.Clair Street Combined Sewer Replacement Community of Chatham, Municipality of Chatham-Kent		
Rank	Bidder and Location	Tender Amount (incl. GST)
1	Henry Heyink Construction Limited – Chatham, Ontario	\$ 2,434,950.00 ^B
2	Sherway Contracting (Windsor) Limited – Windsor, Ontario	\$ 2,684,641.28 ^A
3	D'Amore Construction (2000) Limited – Windsor, Ontario	\$ 3,521,663.25
4	J. Lepera Contracting Incorporated – Windsor, Ontario	\$ 4,164,300.00
Note A: Stantec Consulting has advised that Form of Tender (revised February 24, 2009) were not included in the submitted bid.		
Note B: Lowest bid is approximately 11.7% above the probable cost of construction developed by the Engineer during design.		

Stantec Consulting Limited has reviewed the tenders submitted and has recommends that the project be awarded to the low bidder – Henry Heyink Construction Limited of Chatham, Ontario.

COMMUNITY STRATEGIC PLAN

The recommendations in this report support the following objectives and strategic directions:

A. Health – We are a healthy community

A1: Provide sufficient capacity to sustain community health and economic growth

B. Economy – We are a prosperous community

B3: Maintain and enhance new and existing infrastructure to support economic and smart growth opportunities

Desired Outcomes

- Provide safe, accessible, convenient and efficient public transportation
- Support new infrastructure investments and modernize existing infrastructure

The recommendations will not adversely impact on the remainder of the Community Strategic Plan.

CONSULTATION

The Tenders were opened by the Purchasing Officer and reviewed by the Tendering Committee comprised of the Purchasing Officer, Corporate Services, the Director, Financial Services/Treasurer, Corporate Services and the Director, Engineering and Transportation Division, Infrastructure and Engineering Services.

FINANCIAL IMPLICATIONS

Stantec Consulting Limited has reviewed the tenders and notes that they are complete in all respects. Project fees (consultant fees, costs of construction, etc.) associated with this contract will be funded through a combination of budgets as summarized in the following table:

Financial Implications Contract T08-258 St.Clair Street Combined Sewer Replacement Community of Chatham, Municipality of Chatham-Kent		
A) Project Costs	Recommended Tender	\$ 2,434,950.00
	Engineering – Design, Tendering, Contract Admin.	\$ 86,000.00 ^A
	Material Testing Allowance	\$ 25,000.00 ^A
	Less GST Rebate 5%	\$ (115,950.00) ^B
	Total Current Project Costs	\$ 2,430,000.00
B) Funding Sources	PUC Lifecycle Budget – Sanitary	\$ 1,446,803.00
	PUC Lifecycle Budget – Watermain	\$ 521,878.00
	2009 Capital Budget – Storm Sewers	\$ 461,319.00
	Total Funding Sources	\$ 2,430,000.00
Note A: Costs identified by consultant are estimated budgets only and subject to change based on actual hours required to undertake and complete work. Note B: GST rebate calculated on tender price only – consultant fees shown are already exclusive of GST.		

Prepared by:

 Stephen E. Jahns, B.A.Sc., P.Eng.
 Manager, Infrastructure and Transportation
 Engineering and Transportation Division
 Infrastructure and Engineering Services

Reviewed by:

 Gary Northcott, P. Eng.
 Director
 Engineering and Transportation Division
 Infrastructure and Engineering Services

Reviewed by:

 Tom Kissner
 General Manager
 Water and Wastewater Services

Moved by Commissioner Vercouteren and seconded by Commissioner Faas.

“That the tender in the amount of \$ 2,434,950.00 (\$ 2,319,000.00 plus 5% GST) for the work associated with Contract T08-258 St.Clair Street Combined Sewer Replacement in the Community of Chatham be awarded to Henry Heyink Construction Limited of Chatham, Ontario.

The award be subject to receipt of the appropriate approvals from the Ministry of Environment.”

Motion carried

b) Tender Award: Wheatley Sanitary Sewer Evaluation

MUNICIPALITY OF CHATHAM-KENT
 INFRASTRUCTURE AND ENGINEERING SERVICES
 PUBLIC UTILITIES COMMISSION

TO: Tom Kissner
 General Manager, Chatham-Kent PUC

FROM: Stephen E. Jahns, B.A.Sc., P.Eng.
 Manager, Infrastructure and Transportation
 Engineering and Transportation Division

DATE: March 26, 2009

SUBJECT: Award of Tender: T09-054
Sanitary Sewer Evaluation
Community of Wheatley, Municipality of Chatham-Kent

RECOMMENDATIONS

It is recommended that:

1. The tender in the amount of \$25,706.10 (\$24,482.00 + GST) be awarded to Sewer Maintenance Services of Kingsville, Ontario.

BACKGROUND

Over the past years, Chatham-Kent PUC has received a number of reports from Engineering and Transportation Division which have outlined the results of sanitary and combined sewer investigations conducted within the Municipality of Chatham-Kent. Such reports have typically been of a reactive nature in that these investigations sought to identify the cause(s) of existing issues being experienced with sewers within a particular community or neighborhood within the Municipality. Such issues may include poor conveyance of flows, continued maintenance issues, and possibly even flooding.

The award of this tender marks a continued departure from such reactive investigations as the PUC Lifecycle Sanitary Sewer Budget has been developed to include allowances for the planned and systematic inspection of both sanitary and combined sewers within the urban communities of Chatham-Kent. By phasing the work over a five or six year cycle, this process seeks to investigate the vast majority of such sewer infrastructure.

COMMENTS

The Engineering and Transportation Division has developed the PUC Lifecycle Sanitary Sewer Budget which included allowances for the planned and systematic inspection of both sanitary and combined sewers within the urban communities of Chatham-Kent. In late 2006 and early 2007, Engineering and Transportation Division, in dialogue with the PUC and its supervisory staff, undertook to develop the first round of tenders associated with this work.

The current 2009 tenders constitute the third round of tenders associated with the work.

The tenders include the following scope of work so as to evaluate and document the existing sewer infrastructure within the study areas:

- flushing of sanitary sewer lines
- cctv inspection to document existing condition
- fog testing
- maintenance hole inspection

Flushing of sanitary sewer lines serves the purpose of cleansing existing lines of any accumulated matter and affords evaluators a clearer view of the sewer infrastructure during evaluation by closed circuit television methods. CCTV inspection also allows the PUC delivery of video or DVD copies of all inspections should they be required for reference in future years.

Fog testing is the process of forcing “fog” filled air into the sewer system. The fog under pressure will fill the line and any connections. Whether in a municipal mainline sewer, residential or industrial system, breaks or illegal taps in the sewer line will allow the fog to escape and surface through the ground or pipe work quickly revealing the source of the problem.

The process of fog testing sees a non-toxic “fog” introduced into the existing system. Additional pressure (only enough to overcome atmospheric pressure) is introduced to facilitate dispersion of the fog throughout the entire system. Provided openings exist for the fog to flow, fog tests are effective, regardless of surface characteristics, soil make-up and depth of sewer lines.

Fog testing is the most cost effective and efficient way to locate infiltration (inflow) and exfiltration (outflow) problems in sewer systems. It is used to find leaks, inflow sources and most restrictive conditions within the sewer lines. Fog testing is also an extremely efficient method for tracking piping systems and other mapping purposes.

The work identified within this contract is located within the area identified in Appendix A and seeks to evaluate 6,360 m of sanitary sewer lines and 78 maintenance hole structures.

Tenders were let in March 2009 and were received and opened on March 26, 2009 by the Purchasing Officer. The results are as presented in the following table:

Table 1 - Tender Results Contract T09-054 Sanitary Sewer Evaluation Community of Wheatley, Municipality of Chatham-Kent		
Rank	Bidder and Location	Tender Amount (including GST)
1	Sewer Maintenance Services – Kingsville, Ontario	\$25,706.10
2	Sewer Technologies Incorporated – Port Perry, Ontario	\$27,948.90
3	Benko Sewer Services – London, Ontario	\$32,317.95
4	Veolia E.S. Canada – Pickering, Ontario	\$45,181.50

Engineering and Transportation Division has reviewed the tenders and notes that they are complete in all respects. All fees associated with this project will be funded through the PUC Lifecycle Sanitary Sewer Budget. A detailed financial breakdown associated with this project is provided in the Financial Implications section of this report.

Prior to the commencement of any work, the contractor is required to circulate notices to area residents advising them of the work schedule and details regarding the nature of the work to be done.

COMMUNITY STRATEGIC PLAN

The recommendations in this report support the following objectives and strategic directions:

A. Health – We are a healthy community

A1: Provide sufficient capacity to sustain community health and economic growth

B. Economy – We are a prosperous community

B3: Maintain and enhance new and existing infrastructure to support economic and smart growth opportunities

Desired Outcomes

- Support new infrastructure investments and modernize existing infrastructure

The recommendations will not adversely impact on the remainder of the Community Strategic Plan.

CONSULTATION

The tenders were developed by Engineering and Transportation Division and consider operational information brought forward by PUC and Public Works Supervisory Staff.

The tenders were opened by the Purchasing Officer and reviewed by the Tendering Committee comprised of the Purchasing Officer, Corporate Services, the Director, Financial Services/Treasurer, Corporate Services and the Director, Engineering and Transportation Division, Infrastructure and Engineering Services.

FINANCIAL IMPLICATIONS

The recommendations associated with this report have an associated financial implication of \$25,706.10 (\$24,482.00 + GST) which is to be funded from the 2009 PUC Lifecycle Sanitary Sewer Budget.

Prepared by:

Stephen E. Jahns, B.A.Sc., P.Eng., CMM III
Manager, Infrastructure and Transportation
Infrastructure and Engineering Services

Reviewed by:

Gary Northcott, P. Eng.
Director, Engineering and Transportation Engineering and Transportation Division
Infrastructure and Engineering Services

Reviewed by:

Tom Kissner
General Manager
Chatham-Kent PUC

Moved by Mayor Hope and seconded by Commissioner Faas.

“That the tender in the amount of \$25,706.10 (\$24,482.00 + GST) be awarded to Sewer Maintenance Services of Kingsville, Ontario.

Motion carried

c) Tender Award: Tilbury Sanitary Sewer Evaluation

MUNICIPALITY OF CHATHAM-KENT
INFRASTRUCTURE AND ENGINEERING SERVICES
PUBLIC UTILITIES COMMISSION

TO: Tom Kissner
General Manager, Chatham-Kent PUC

FROM: Stephen E. Jahns, B.A.Sc., P.Eng.
Manager, Infrastructure and Transportation
Engineering and Transportation Division

DATE: March 26, 2009

SUBJECT: Award of Tender: T09-052
Sanitary Sewer Evaluation
Community of Tilbury, Municipality of Chatham-Kent

RECOMMENDATIONS

It is recommended that:

1. The tender in the amount of \$33,922.77 (\$32,307.40 + GST) be awarded to Sewer Maintenance Services of Kingsville, Ontario.

BACKGROUND

Over the past years, Chatham-Kent PUC has received a number of reports from Engineering and Transportation Division which have outlined the results of sanitary and combined sewer investigations conducted within the Municipality of Chatham-Kent. Such reports have typically been of a reactive nature in that these investigations sought to identify the cause(s) of existing issues being experienced with sewers within a particular community or neighborhood within the Municipality. Such issues may include poor conveyance of flows, continued maintenance issues, and possibly even flooding.

The award of this tender marks a continued departure from such reactive investigations as the PUC Lifecycle Sanitary Sewer Budget has been developed to include allowances for the planned and systematic inspection of both sanitary and combined sewers within the urban communities of Chatham-Kent. By phasing the work over a five or six year cycle, this process seeks to investigate the vast majority of such sewer infrastructure.

COMMENTS

The Engineering and Transportation Division has developed the PUC Lifecycle Sanitary Sewer Budget which included allowances for the planned and systematic inspection of both sanitary and combined sewers within the urban communities of Chatham-Kent. In late 2006 and early 2007, Engineering and Transportation Division, in dialogue with the PUC and its supervisory staff, undertook to develop the first round of tenders associated with this work.

The current 2009 tenders constitute the third round of tenders associated with the work.

The tenders include the following scope of work so as to evaluate and document the existing sewer infrastructure within the study areas:

- flushing of sanitary sewer lines
- cctv inspection to document existing condition
- fog testing
- maintenance hole inspection

Flushing of sanitary sewer lines serves the purpose of cleansing existing lines of any accumulated matter and affords evaluators a clearer view of the sewer infrastructure during evaluation by closed circuit television methods. CCTV inspection also allows the PUC delivery of video or DVD copies of all inspections should they be required for reference in future years.

Fog testing is the process of forcing "fog" filled air into the sewer system. The fog under pressure will fill the line and any connections. Whether in a municipal mainline sewer, residential or industrial system, breaks or illegal taps in the sewer line will allow the fog to escape and surface through the ground or pipe work quickly revealing the source of the problem.

The process of fog testing sees a non-toxic "fog" introduced into the existing system. Additional pressure (only enough to overcome atmospheric pressure) is introduced to facilitate dispersion of the fog throughout the entire system. Provided openings exist for the fog to flow, fog tests are effective, regardless of surface characteristics, soil make-up and depth of sewer lines.

Fog testing is the most cost effective and efficient way to locate infiltration (inflow) and exfiltration (outflow) problems in sewer systems. It is used to find leaks, inflow sources and most restrictive conditions within the sewer lines. Fog testing is also an extremely efficient method for tracking piping systems and other mapping purposes.

The work identified within this contract is located within the area identified in Appendix A and seeks to evaluate 8,571 m of sanitary sewer lines and 106 maintenance hole structures.

Tenders were let in March 2009 and were received and opened on March 26, 2009 by the Purchasing Officer. The results are as presented in the following table:

Table 1 - Tender Results Contract T09-052 Sanitary Sewer Evaluation Community of Tilbury, Municipality of Chatham-Kent		
Rank	Bidder and Location	Tender Amount (including GST)
1	Sewer Maintenance Services – Kingsville, Ontario	\$33,922.77
2	Sewer Technologies Incorporated – Port Perry, Ontario	\$38,618.79
3	Benko Sewer Services – London, Ontario	\$42,433.81
4	Veolia E.S. Canada – Pickering, Ontario	\$59,460.19

Engineering and Transportation Division has reviewed the tenders and notes that they are complete in all respects. All fees associated with this project will be funded through the PUC Lifecycle Sanitary Sewer Budget. A detailed financial breakdown associated with this project is provided in the Financial Implications section of this report.

Prior to the commencement of any work, the contractor is required to circulate notices to area residents advising them of the work schedule and details regarding the nature of the work to be done.

COMMUNITY STRATEGIC PLAN

The recommendations in this report support the following objectives and strategic directions:

A. Health – We are a healthy community

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B3: Maintain and enhance new and existing infrastructure to support economic and smart growth opportunities

Desired Outcomes

- Support new infrastructure investments and modernize existing infrastructure

The recommendations will not adversely impact on the remainder of the Community Strategic Plan.

CONSULTATION

The tenders were developed by Engineering and Transportation Division and consider operational information brought forward by PUC and Public Works Supervisory Staff.

The tenders were opened by the Purchasing Officer and reviewed by the Tendering Committee comprised of the Purchasing Officer, Corporate Services, the Director, Financial Services/Treasurer, Corporate Services and the Director, Engineering and Transportation Division, Infrastructure and Engineering Services.

FINANCIAL IMPLICATIONS

The recommendations associated with this report have an associated financial implication of \$33,922.77 (\$32,307.40 + GST) which is to be funded from the 2009 PUC Lifecycle Sanitary Sewer Budget.

Prepared by:

Reviewed by:

Stephen E. Jahns, B.A.Sc., P.Eng., CMM III
Manager, Infrastructure and Transportation
Division Infrastructure and Engineering Services

Gary Northcott, P. Eng.
Director, Engineering and Transportation
Infrastructure and Engineering Services

Reviewed by:

Tom Kissner
General Manager
Chatham-Kent PUC

Moved by Mayor Hope and seconded by Commissioner Vercouteren.

“That the tender in the amount of \$33,922.77 (\$32,307.40 + GST) be awarded to Sewer Maintenance Services of Kingsville, Ontario.”

Motion carried

4. **ADJOURNMENT**

Moved by Commissioner Faas and seconded by Commissioner Pinsonneault.

“That the meeting be adjourned at 3:35 PM.”

Motion carried