



CITY OF BURLINGTON
DEPARTMENT OF PUBLIC WORKS

OFFICE OF PLANNING
645 PINE STREET, SUITE A
BURLINGTON, VT 05402
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STEVEN GOODKIND, P.E.
DIRECTOR OF PUBLIC WORKS
CITY ENGINEER

JOEL FLEMING, EI
PUBLIC WORKS ENGINEER

MEMO

TO: Board of Finance
FROM: Joel Fleming, EI, Public Works Engineer
DATE: March 23, 2012
RE: Church Street Marketplace Electrical and Street Lighting Improvements: Street Lights and Poles

We are seeking authorization, pending City Council's approval of the lease Agreement, to purchase the Street lights and poles from **Green Mountain Electric Supply, Inc.** The lights will be supplied directly to the awarded General Contractor for the Church Street Marketplace Electrical and Street Lighting Improvements Project. The construction project is on the Board of Finance and City Council agenda's for, March 26, 2012.

Construction includes the following: removal of pavement, brick, and curb for the construction of a new underground marketplace electrical system and new decorative street lights. The new work includes brick pavers, streetlights, conduit and wiring, HDPE ductbank, bollards, tree irrigation system, tree planting, manholes, and the removal of existing streetlights and handholes. The construction is scheduled to begin no earlier than April 9, 2012 and be completed by November 1, 2012.

The project is being developed through the Local Transportation Facilities (LTF) section of the Vermont Agency of Transportation (VTTrans). Although the project is managed locally, the use of Federal and State funds requires that permitting, environmental, and right-of-way (ROW) processes follow pertinent Federal and State regulations.

We would like to request that the Board of Finance authorize Public Works Steve Goodkind to execute the purchasing of Street Lights and Poles from **Green Mountain Electrical Supply, Inc.** in the amount of **\$268,000.00 as based on the attached quote.**

Green Mountain Electric Supply, Inc.
 102 Archibald
 Burlington, VT 05401
 802-863-4549
 802-865-9963 Fax
 contact: jeremyh@gmes.com

Lighting Quote For:
PROJECT: CHURCH STREET

Due Date

3/23/2012

TYPE	QTY	MFG	Spec.*	DESCRIPTION	Lamping
A	34	LUMC	Y	RNS20-001-40W30LED4K-LE3-003-120-SMB-CDMG-006-DE1	LED
A	34	LUMC	Y	MR-1A-AM6W-14-BAS24-GFI(2)-004-LS-004-BKTX	0
A1	68	BPRO	Y	FL-1-24W-HF-YK-VS-BB	0
B	12	LUMC	Y	RN20-65W49LED4K-GL-LE3R-120SMB-CDMG-006-DE1-PH8	LED
B	12	LUMC	Y	MR-2A-SAM8W-25.5-BAS24(2)-GFI-LS-004-BKTX	0
B1	24	BPRO	Y	FL-1-24W-HF-YK-VS-BB	0

* Yes (Y), No (N) or (NA) or (GMES) means it is or is not the specified fixture requested by the schedule, it is not applicable or it is our own specification that we designed. All fixtures are subject to approval. Spare lamps and ballasts are not part of this bill of material and if it exists, will be on an accompanying sheet. Spare lamps and ballasts **MUST** be requested by the electrical contractor. Please be sure to re-check all counts for accuracy and make sure we agree!!

It is the electrical contractor's responsibility to provide all specifications and necessary notes to enable GMES to correctly bid this project.

Total	184			Lot Price using your counts	\$268,000.00
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Note: See Page 1 for disclaimer statement

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PUBLIC WORKS ENGINEER

MEMO

TO: Board of Finance
FROM: Joel Fleming, EI, Public Works Engineer
DATE: March 26, 2012
RE: Church Street Marketplace Electrical and Street Lighting Improvements:
Construction Inspection Services Contract

We are seeking authorization to award the residential engineering (construction inspection services) contract for the Church Street Marketplace Electrical and Street Lighting Improvements to **Stantec Consulting Services Inc.** This contract includes inspection services and residential engineering services for the electrical and lighting upgrades for Church Street Between main Street and Pearl Street. The construction project is on the Board of Finance and City Council agenda's today, March 26, 2012.

Construction includes the following: removal of pavement, brick, and curb for the construction of a new underground marketplace electrical system and new decorative street lights. The new work includes brick pavers, streetlights, conduit and wiring, hdpe ductbank, bollards, tree irrigation system, tree planting, manholes, and the removal of existing streetlights and handholes. The construction is scheduled to begin no earlier than April 9, 2012 and be completed by November 1, 2012.

The project is being developed through the Local Transportation Facilities (LTF) section of the Vermont Agency of Transportation (VTrans). Although the project is managed locally, the use of Federal and State funds requires that permitting, environmental, and right-of-way (ROW) processes follow pertinent Federal and State regulations. One requirement of the LTF program is that the municipality provides the necessary oversight of the construction phase. This oversight includes inspection and sampling/testing of construction materials. This contract seeks to hire a consultant that can provide these services to the City of Burlington.

Stantec is one of the Department of Public Works On-Call Technical assistance for Planning and Engineering services consultants. On March 23, 2011 the Board of Finance accepted the retainer contract between the department and the list of consultants.

We would like to request that the Board of Finance authorize Public Works Steve Goodkind to execute a contract with **Stantec Consulting Services Inc.** in the amount of **\$127,246.90 as**

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based on the attached cost proposal. Local share of these construction inspection services will be 20% or \$25,449.38. The remainder of the project will be funded through the SAFETEA-LU appropriation and Federal Transit Funds.

Upon Board of Finance approval we will award a contract to proceed with the inspection services. Inspection services will proceed along with the construction work from April 9, 2012 to November 1, 2012.



Stantec

Stantec Consulting Services Inc.
55 Green Mountain Drive
South Burlington VT 05403
Tel: (802) 864-0223
Fax: (802) 864-0165

March 20, 2012
Joel Fleming, EI
City of Burlington
Department of Public Works
P.O. Box 849
Burlington, VT 05402-0849

Dear Joel:

**Reference: Church Street Marketplace Electrical and Lighting Improvements
STP 5000(16) C/7
Labor Hour Estimate for Resident Engineer Services**

Enclosed is the subject Labor Hour Estimate for review and approval. As requested, this covers time and expenses for one person from April 9, 2012 through the end of October 2012 or approximately thirty weeks. It also includes an estimated amount for materials testing services.

We look forward to hearing back and continuing to assist the City of Burlington.

Sincerely,

STANTEC CONSULTING SERVICES INC.


John L. Little
Associate, Transportation
Tel: (802) 864-0223
Fax: (802) 864-0165
john.little@stantec.com

Enclosures: Amendment



Stantec

City of Burlington, Vermont

**Church Street Marketplace Lighting Improvements - RE Services
STP 5000(16) C/7**

Estimate of Labor Hours and Costs

Task	Project Manager (Associate)	RE (Sr. Project Engineer)	TOTAL
	Total Hours	Total Hours	
Pre-Construction Conference	1	4	5
Reviewing Material Certifications/Testing		4	4
Change Orders	1	4	5
Subcontractor Agreements		1	1
Construction Status Meetings (assumes 30 meetings)	30	60	90
Payment Requisitions (assumes 16 pay reqs)	8	16	24
Substantial Completion			0
Final Quantities/Balancing Change Order		2	2
Final Acceptance	2	4	6
Daily Field Observation (assumes 30 weeks @ 40 hours per week)		1,200	1,200
Total Labor Hours by Classification	42	1,295	1,337
Average Hourly Rate	\$120	\$90	
Total Labor Costs	\$5,040	\$116,550	\$121,590.00
		Total Stantec Labor Costs	\$121,590.00
		Direct Expenses (See attached)	\$5,656.90
		Total Estimated Cost	\$127,246.90

Note: Assumed hours per task will vary depending on the selected contractor's schedule and performance.



Stantec

**City of Burlington, Vermont
Church Street Marketplace Lighting Improvements - RE Services
STP 5000(16) C/7**

Estimate of Direct Expenses

Task	Project Manager (Associate)	RE (Sr. Project Engineer)	TOTAL
	Total Mileage	Total Mileage	
Pre-Construction Conference	10		10
Reviewing Material Certifications/Testing			0
Change Orders			0
Subcontractor Agreements			0
Construction Status Meetings (assumes 30 meetings)	150		150
Payment Requisitions (assumes 16 pay reqs)			0
Substantial Completion	10		10
Final Quantities/Balancing Change Order	10		10
Final Acceptance	10		10
Daily Field Observations (assumes 40 miles round trip for RE to travel for 30 weeks - 150 trips)		6000	6,000
		Total Mileage	6,190
		Mileage Rate	\$0.51
		Total Mileage Costs	\$3,156.90
		Materials Testing Expenses (est.)	\$2,500.00
		Project Total Direct Expense Costs	\$5,656.90

Note: 1) Reimbursement for direct expenses will be at actual costs.



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CITY ENGINEER

JOEL FLEMING, E.I.T.
PUBLIC WORKS ENGINEER

March 23, 2012

To: City Council & Board of Finance

From: Joel Fleming, Project Manager

CC: Steve Goodkind, Director Public Works

Re: Church Street marketplace Electrical & Street Lighting Improvements STP 5000 (16)
Bid Results and Contract Award

The Church Street Marketplace Electrical & Street Lighting Improvements is being developed through the Local Transportation Facilities (LTF) section of the Vermont Agency of Transportation (VTrans). Although the project is managed locally, the use of Federal and State funds requires that permitting, environmental, and right-of-way (ROW) processes follow pertinent Federal and State regulations.

The Department of Public Works Office will act as the Municipal Project Manager (MPM) for the Pearl Street Improvement Project Phase II STP 5000(16). This project is being carried out in conjunction with the engineering divisions of Burlington Public Works and the Burlington Electric Department. The project consists of removing pavement, brick, and curb for the construction of a new underground marketplace electrical system and new decorative street lights. The new work includes brick pavers, streetlights, conduit and wiring, HDPE ductbank, bollards, tree irrigation system, tree planting, manholes, and the removal of existing streetlights and handholes. The construction of these improvements are funded through the Safe, Accountable, Flexible, Efficient Transportation Equity Act – a Legacy for Users (SAFETEA-LU).

The reason that this project is being brought to the Board of Finance and City council on the same night is because of the construction schedule. The State of Vermont pushed the advertisement date back two (2) weeks which pushed the bid opening to March 23, 2012. If we did not get the project onto both the Board of Finance and City Council Agenda's the construction schedule would have been pushed back a month which would have compromised the project's construction schedule. This may have meant the project spanning over 2 construction seasons and affecting the businesses on Church Street for two(2) seasons.

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The City of Burlington Public Works opened bids on Wednesday, March 23rd, 2012 for these street improvements. We received four bidders with lowest responsible bidder being J. Hutchins Inc. with a total project bid price of \$1,687,647.00. A synopsis of the bid tab is below.

Bidder	Amount
Wright & Morrissey (Low Bidder)	\$1,687,647.00
All Seasons Excavating and Landscapes, Inc.	\$1,975,003.80
Engineers Construction, Inc.	\$1,892,904.17
Don Weston Excavating	\$1,829,928.00

The total low bid was approximately 24% Lower than the engineer's estimate, which included a 10% contingency. The unit prices of the low bid corresponded well with the estimated unit prices.

I have attached more detailed bid results from all bidders for your comparison. I would like to request that the Board of Finance recommend that the City Council authorize Steve Goodkind, Public Works Director to award and execute the contract with to the lowest qualified and responsible bidder, which is **Wright and Morrissey, Inc.** with a price of **\$1,687,647.00.**

Please feel free to contact me with any questions at 865-5832 or jfleming@ci.burlington.vt.us.