



ST. CHARLES  
SINCE 1834

## AGENDA ITEM EXECUTIVE SUMMARY

Title:	Recommendation to Approve Purchase Order with CB&I Constructors Inc. for Driveway Pavement to the Substation Adjacent to the New Water Tower
Presenter:	Tom Bruhl

*Please check appropriate box:*

	Government Operations	<input checked="" type="checkbox"/>	Government Services 09.22.14
	Planning & Development		City Council
	Public Hearing		

Estimated Cost:	\$60,275	Budgeted:	YES	<input checked="" type="checkbox"/>	NO	
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If NO, please explain how item will be funded:

**Executive Summary:**

The new substation near Red Gate Bridge is on the western part of the parcel that used to be Little Woods School. The new water tower will be placed on the eastern portion of the parcel. The driveway off of Route 25 will be shared between the Electric and Water Utilities. The permanent pavement will be completed as part of the water tower project. EEI included the driveway paving and landscape restoration west of the water tower as part of the scope of work that was competitively bid and awarded last month. EEI has broken out the portion of those pay items from the bid that relate to access for the substation and cleaning up the landscape around the station.

**Attachments:** *(please list)*

EEI Letter and Cost Sheet, GIS Print of Pavement Area

**Recommendation / Suggested Action** *(briefly explain):*

Recommendation to Approve Purchase Order with CB&I Constructors Inc. for Driveway Pavement to the Substation Adjacent to the New Water Tower in the Amount of \$60,275.

*For office use only:*

*Agenda Item Number: 5.e*



Engineering Enterprises, Inc.

September 11, 2014

Mr. Tom Bruhl  
Electric Services Manager  
City of St. Charles  
Two East Main Street  
St. Charles, IL 60174

**Re: Red Gate Water Tower  
Electric Utility Costs  
St. Charles, Illinois**

Dear Mr. Bruhl:

Per your request, we have reviewed the Electric Utility costs for this project based on the proposal from CB&I Constructors, Inc., the contractor to whom the City Council intends to award the Red Gate Water Tower project pending IEPA loan issuance. The anticipated cost to perform the paving improvements for the electrical substation at this same location is \$30,575.00. In addition, the cost to furnish and place topsoil and restore the area is anticipated to be \$29,700.00. Therefore, the total costs associated with the paving improvements and restoration on site for the electrical substation is \$60,275.00. Please refer to the detailed bid schedule attached for the Red Gate Water Tower project.

The restoration and paving costs were bid competitively as part of the Red Gate Water Tower project, and therefore we recommend these improvements be constructed as part of the Red Gate Water Improvements. Please contact us if you have any questions or require additional information.

Respectfully Submitted,

ENGINEERING ENTERPRISES, INC.

A handwritten signature in black ink that reads 'Michele L. Piotrowski'.

Michele L. Piotrowski, P.E., LEED AP  
Project Manager

pc: John Lamb, Environmental Services Manager  
Jeffrey Freeman, EEI

ELECTRIC UTILITY / WATER DIVISION - ANTICIPATED COSTS BASED ON BID AMOUNTS RED GATE WATER TOWER IMPROVEMENTS CITY OF ST. CHARLES									
		CB&I BID UNIT PRICES		TOTAL PROJECT COST		WATER DIVISION		ELECTRICAL UTILITY	
ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	AMOUNT	UNIT PRICE	AMOUNT	QUANTITY	AMOUNT
<b>DIVISION A - TANK IMPROVEMENTS</b>									
1	ELEVATED WATER STORAGE TANK- 1,500,000 GALLON SINGLE PEDESTAL SPHEROID INCLUDING DESIGN AND CONSTRUCTION (167.34' TO BCL)	LS	\$ 2,717,000.00	1	\$ 2,717,000.00	1	\$ 2,717,000.00	-	\$ -
2	FOUNDATION AND UTILITY ROOM, INCLUDING PIPING, BUTTERFLY VALVE, ELECTRICAL CONDUITS AND APPURTENANCES FOR ITEM 1, INCLUDING DESIGN AND CONSTRUCTION	LS	380,430.00	1	380,430.00	1	380,430.00	-	-
3	EXTERIOR AND INTERIOR PAINTING	LS	311,000.00	1	311,000.00	1	311,000.00	-	-
4	LETTERING AND LOGO	LS	18,400.00	1	18,400.00	1	18,400.00	-	-
5	TESTING AND DISINFECTION FOR FINAL COMPLETION	LS	1,900.00	1	1,900.00	1	1,900.00	-	-
6	TELECOMMUNICATION CONDUIT AND APPURTENANCES	LS	18,500.00	1	18,500.00	1	18,500.00	-	-
7	SCADA, COMPLETE AND OPERATIONAL	LS	17,230.00	1	17,230.00	1	17,230.00	-	-
8	ELECTRICAL SERVICE	LS	12,470.00	1	12,470.00	1	12,470.00	-	-
<b>DIVISION B- SITE IMPROVEMENTS</b>									
9	EARTH EXCAVATION	LS	42,500.00	1	42,500.00	1	42,500.00	-	-
10	FURNISHED EXCAVATION	CY	26.00	50	1,300.00	50	1,300.00	-	-
11	TOPSOIL FURNISH AND PLACE, 4"	SY	2.00	9,325	18,650.00	4,662.5	9,325.00	4,662.5	9,325.00
12	SILT FENCE	LF	2.50	1,700	4,250.00	850	2,125.00	850	2,125.00
13	RESTORATION	LS	36,500.00	1	36,500.00	0.5	18,250.00	0.5	18,250.00
14	PREPARATION OF BASE	SY	2.00	1,000	2,000.00	-	-	1,000	2,000.00
15	AGGREGATE BASE COURSE, CA-6, 9"	SY	18.50	520	9,620.00	430	7,955.00	90	1,665.00
16	BITUMINOUS MATERIALS (PRIME COAT)	GAL	2.50	1,000	2,500.00	230	575.00	770	1,925.00
17	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	95.00	340	32,300.00	77	7,315.00	263	24,985.00
18	SPLASH PAD (6' X 6' P.C.C. )	LS	450.00	1	450.00	1	450.00	-	-
19	RIP-RAP	SY	200.00	18	3,600.00	18	3,600.00	-	-
20	VALVE AND VALVE VAULT, 16-INCH (RESILIENT SEAT) IN 60-INCH VAULT	EACH	15,200.00	1	15,200.00	1	15,200.00	-	-
21	WATER MAIN, 16-INCH D.I.P., CLASS 52	LF	215.00	65	13,975.00	65	13,975.00	-	-
22	STORM SERVICE, 4-INC PVC SCHEDULE 40	FT	40.00	70	2,800.00	70	2,800.00	-	-
23	FIRE HYDRANT ASSEMBLY, 6-INCH MJ	EACH	5,350.00	1	5,350.00	1	5,350.00	-	-
24	DUCTILE IRON FITTINGS	LB	8.25	1,700	14,025.00	1,700	14,025.00	-	-
25	HYDROSTATIC TESTING - WATERMAIN IMPROVEMENTS	LS	2,100.00	1	2,100.00	1	2,100.00	-	-
26	DISINFECTION AND SAMPLING - WATERMAIN IMPROVEMENTS	LS	1,850.00	1	1,850.00	1	1,850.00	-	-
<b>TOTAL BID FOR ITEMS 1-26</b>					<b>3,685,900.00</b>		<b>3,625,625.00</b>		<b>60,275.00</b>

% BELOW/ABOVE ENGINEER'S ESTIMATE



Data Source:  
City of St. Charles, Illinois  
Kane County, Illinois  
DuPage County, Illinois  
Projection: Transverse Mercator  
Coordinate System: Illinois State Plane East  
North American Datum 1983  
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