



# MEMORANDUM

October 1, 2011

TO: Board of Mayor and Aldermen

FROM: Kevin E. Comstock; ITS Project Manager  
Eric Gardner, P.E. Director of Engineering  
Eric S. Stuckey, City Administrator

SUBJECT: Consideration of the Procurement of Eight (8) Environmentally Controlled Ethernet Switch Cabinets for the Franklin ITS Projects.

### Purpose

The purpose of this memorandum is to provide the Board of Mayor and Aldermen (BOMA) with information regarding authorization to procure environmentally controlled cabinets for the 10 Gig Ethernet Back-haul Switches necessary for the full deployment of the joint MIT/TOC fiber optic communications network.

### Background

The City's Municipal Information Technology (MIT) and the Traffic Operations Center (TOC) have worked in a cooperative manner for over 3 years in the joint use of each department's fiber optic networks. That effort has allowed the City to expand the Intelligent Traffic System (ITS) and provided MIT with much needed infrastructure in the field at critical locations. Both the Franklin ITS/ARRA Project and the upcoming TOC Phase 3 Infrastructure and Upgrades Project require the use of these environmentally controlled cabinets. This need was jointly identified by MIT and TOC staff to install 10 Gig Ethernet Switches at key locations along the system to maximize the use of a single fiber pair and enhance overall network operation. MIT and TOC have identified the 8 locations for these installations and are requesting authorization for their procurement with installation to be completed by Streets Department Traffic Division.

Staff was unable to obtain 3 quotes from suppliers of these units. We have obtained 2 quotes with the following results:

Vendor	Description	Unit Price	Shipping	Extended Price
Purcell Systems, Spokane, WA	RAC24 w/ 2K A/C	\$2,782.00	\$471.58	\$22,727.58
Temple Inc. ; Decatur, AL	NEMA Cab w/ 4K A/C	\$3,600.00	\$850.00	\$29,650.00

### Financial Impact

This project would be 100% funded by TOC budget authorized by BOMA for FY 2011-2012 under Machinery and Equipment over \$10,000, specifically called out as Traffic Signal Upgrades.

An Engineering Opinion of Probable Costs indicates approximately \$22,727.58 for the procurement of the necessary equipment.

### Recommendation

Staff recommends authorization to proceed with the purchase of the Purcell Systems units.



City of Franklin, TN

Client Quotation

16125 E. Euclid Ave.  
 Spokane Valley, WA 99216  
 509-755-0341  
 509-755-0345 fax

QUOTE # COFTNKC081911

Model No.	Description of Equipment	Quantity	Unit Price	Total
RAC24 2K A/C	Cabinet Compliance Standards      Standard Cabinet Opts, Rt. Side Environmental      120VAC 2K Air Conditioner Opts for Utility Demarks          Internal Load Center,1x15A,VAC Opts for Alarms                      No Alarm Block Required Opts for Cabinet Mounting        Optional Mounting Not Required Opts for Packaging Pieces        Wood Pallet, Std Pkg & Lbls Accessories Option                No Accessories Required	8	\$ 2,782.00	\$ 22,256.00
	<u>Cabinet Options</u>			
2000001003	KIT,POLE MNT,RAC24	1	\$ 123.00	
<b>TOTAL</b>				<b>\$ 22,256.00</b>

FOB: Spokane, WA  
 Prepared for: Kevin E. Comstock  
 Presented by: Dan Soltan  
 Date: 08/19/11  
 Contact phone #: Cell 615.290.3402  
 Contact e-mail address: kevinc@franklintn.gov

Payment terms Net 30. 1.5% interest/month charged on past due accounts.  
 This quotation is valid for 30 days from the date shown above.  
 Quotation does not include freight: Invoiced separately.

**Quotation is Confidential and Proprietary**  
**Thank you for the opportunity to earn your business!**

# TEMPLE, INC.

P.O. Box 2066 / 50 Davis Street  
Decatur, AL 35602  
Phone: 800/633-3221  
Fax: 256/353-4578

City of Franklin, TN  
Attn: Kevin Comstock  
[Kevinc@franklin-gov.com](mailto:Kevinc@franklin-gov.com)

**1954 - 2011**  
**Serving the South's**  
**Traffic Needs**  
**for over 57 Years**

DATE:
<b>15-Sep-11</b>
TERMS:
<b>NET 30 DAYS</b>
DELIVERY:
<b>6 to 8 Weeks ARO</b>
SALESPERSON:
<b>Tim Britt</b>

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QUOTE #: Franklin.091511

CONDITIONS: The prices and terms on this quotation are subject to verbal changes or other agreements unless approved in writing by Temple, Inc.. All quotations and agreements are contingent upon strikes, accidents, fires, availability of materials and all other causes beyond our control. Prices are based on cost and conditions existing on the date of the quotation and are subject to changes by Temple, Inc. before final acceptance.

Quantity	Description	Price	Extended
8	NEMA Rack Mount Style 46"H x 24"W x 20"D Cabinet w/ 4,000 BTU/115V Air Conditioner	\$3,600.00	\$28,800.00

notes: Cost does not include shipping or taxes  
Air Conditioner can either be mounted to side wall or door of enclosure

Quote Valid for 30 Days

Tim Britt