



## MEMORANDUM

September 27, 2012

TO: Board of Mayor and Aldermen

FROM: Eric Stuckey, City Administrator *ES*  
David Parker, P.E., City Engineer/CIP Executive  
Paul Holzen, P.E., Director of Engineering  
Dan Allen, P.E., Director of Engineering  
Jonathan Marston, P.E., Staff Engineer

SUBJECT: Agreement with Middle Tennessee Electric Membership Corporation for the Relocation of Overhead Electric Lines as part of the McEwen Drive and Wilson Pike (S.R. 252) Intersection Improvements Project at a cost of \$68,670.94.

### **Purpose**

The purpose of this memorandum is to provide the Board of Mayor and Aldermen (BOMA) with information to consider an agreement with Middle Tennessee Electric Membership Corporation (MTEMC) for the required relocation of overhead electric lines as part of the McEwen Drive and Wilson Pike (S.R. 252) Intersection Improvements Project.

### **Background**

The cost of relocating any utilities within current City/State right-of-way is at the utilities' expense. Whenever a project requires the relocation of a utility, within a private easement or outside of the existing right-of-way, the City/State must cover the expenses of said relocation.

Due to the imminent construction of intersection improvements at McEwen Drive and Wilson Pike, MTEMC is required to relocate a portion of their existing electrical system in the area. The current estimate for relocation of all affected MTEMC equipment totals \$120,475.33. Of this total relocation, the City is responsible for approximately 57% of the expenses, or \$68,670.94.

MTEMC has prepared relocation plans and is ready to proceed as an agreement is approved.

### **Financial Impact**

The relocation agreement between the City of Franklin and MTEMC is currently estimated at \$68,670.94, which is 57% of the total relocation cost. However, the City will only pay 57% of the actual relocation costs. This expense would be included in the project budget which is funded through Facilities Tax (Williamson County) and the direct contribution (\$1 million) from the Williamson County Schools per the 2010 Infrastructure Improvement Agreement for the Breezeway Area. The total approved budget for this project is \$2.43 million.

### **Recommendation**

Staff recommends approval of this relocation agreement contingent upon City Administrator, City Engineer, and City Attorney approval of the contract.

**Estimate Bill**

Date: 7/3/2012

Project No.: City of Franklin

County: Williamson

Relocation of lines to clear construction: McEwen Drive & Wilson Pike (S.R. 252) Intersection Improvement

W.O. C001142132

Number of Poles on Private Right of Way	4
Number of Poles on Public Right of Way	<u>3</u>
Total	<u><u>7</u></u>

(A)	1. Engineering	\$ 9,251.91
	2. Labor	33,252.50
	3. Overhead	21,252.21
	4. Transportation (Trucks, Equipment, etc.)	1,874.14
	5. Traveling and Other Expenses	-
	6. Right of Way (tree trimming)	6,750.00
	7. Easement Acquisition	9,375.00
	8. Taxes and Social Security	8,500.88
	9. Miscellaneous Expense (stores expense)	<u>3,149.11</u>

(Note: List any other expenses by heading)

Total A \$ 93,405.74

MATERIAL & SUPPLIES

(B)	1. Material Used	\$ 31,491.05
	Less Betterment	4,421.46
		<u>Total B</u> \$ 27,069.59
(C)	2. Material Recovered	
	a. Reusable	\$ -
	b. Non-Usable (junk or salvage)	<u>-</u>

Total C (SEE BELOW)

Net Material Cost (B - C) \$ 27,069.59

Grand Total A + (B - C) \$ 120,475.33

57% of Total Engineering Cost due Middle Tennessee EMC 68,670.94

**Total Due Middle Tennessee EMC** \$ 68,670.94

NOTE: Salvage & reusable materials are omitted due to price fluctuations. Will be included on final bill.

SUPPORTING STATEMENT  
 PROJECT # CITY OF FRANKLIN  
 WILLIAMSON COUNTY

	<u>HOURS</u>	<u>RATE</u>	<u>AMOUNT</u>
<b>ITEM A1 - ENGINEERING</b>			
FIELD ENGINEERS*	298	\$31.047	\$ 9,251.91
			<u>9,251.91</u>
<b>ITEM A2 - LABOR</b>			
WORKING FOREMAN	250	33.75	\$ 8,437.50
LINEMAN	250	31.03	7,757.50
GROUNDMAN	250	21.95	5,487.50
LABORER	250	15.53	3,882.50
LABOR FOREMAN	250	30.75	7,687.50
			<u>33,252.50</u>
TOTAL LABOR & ENGINEERING			\$ 42,504.41
<b>ITEM A3 - OVERHEAD</b>			
50% OF ITEMS A1	\$ 9,251.91	ENGINEERING (in house)	\$ 4,625.96
50% OF ITEMS A2	\$ 33,252.50	LABOR	<u>16,626.25</u>
			\$ 21,252.21
<b>ITEM A4 - TRANSPORTATION</b>			
ITEMS - ENGINEERING (in house)			\$ 354.67
ITEMS - LABOR			<u>1,519.46</u>
TOTAL			\$ 1,874.14
<b>ITEM A6 - RIGHT OF WAY (tree trimming)</b>			
\$27,000 PER MILE X	0.25	MILES	\$ 6,750.00
<b>ITEM A7 - EASEMENT ACQUISITION</b>			
SURVEY COSTS	\$ 7,500.00	PER MILE	
APPRAISAL	5,000.00	PER MILE	
ATTORNEY FEES	10,000.00	PER MILE	
CONDEMNATION PAYOUT	<u>15,000.00</u>	PER MILE	
	\$37,500.00	PER MILE	
\$37,500 PER MILE X	0.25	MILES	\$ 9,375.00
<b>ITEM A8 - TAXES &amp; SOCIAL SECURITY</b>			
20% OF ITEMS A1	\$ 9,251.91	ENGINEERING	\$ 1,850.38
20% OF ITEMS A2	\$ 33,252.50	LABOR	<u>6,650.50</u>
			\$ 8,500.88
<b>ITEM A9 - STORES EXPENSE</b>			
10% OF ITEM B1-	\$ 31,491.05		\$ 3,149.11
TOTAL A			<u>\$ 93,405.74</u>

\*NOTE-SALARIES ARE NOT OPEN FOR DISTRIBUTION.

PROJECT NO. # CITY OF FRANKLIN

ITEM B1 - MATERIALS TO INSTALL

<u>QTY.</u>	<u>ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
1	35' POLE	255.00	255.00
3	45' POLE	438.00	1,314.00
1	50' POLE	543.00	543.00
2	55' POLE	696.00	1,392.00
1	55' STEEL POLE	3,334.50	3,334.50
4,875	D #795 AAC	1.91	9,311.25
1,625	D #3/0 ACSR	0.62	1,007.50
14	F6-7	67.25	941.50
1	HP35	278.43	278.43
3	K6C	14.85	44.55
1	M5-13	25.17	25.17
3	M5-22	43.89	131.67
1	UM35S	202.53	202.53
1	UM53	137.60	137.60
2	VA5-2E	73.83	147.66
3	VC1-3	317.97	953.91
1	VC3L	257.34	257.34
1	VC4-1L	469.77	469.77
1	VC5-1L	234.90	234.90
1	VC8-3	625.32	625.32
1	VC8-4X	539.33	539.33
5	VE1-2	43.97	219.85
22	VE3-5	50.25	1,105.50
4	VE4-5	65.76	263.04
3	VG135	32.64	97.92
6	VG5A	51.87	311.22
4	VG5C	87.81	351.24
3	VG5C-LB	152.64	457.92
1	VG5H-10D	149.52	149.52
1	VG5T	22.26	22.26
6	VM2-11	29.06	174.36
1	VM2-11S	46.44	46.44
1	VM3-17LBH	3,602.72	3,602.72
2	VM3-1LB	152.64	305.28
6	VM5-23-6	22.68	136.08
1	VM9-1200S (Transfer)	-	-
1	VM9-RADIO	2,100.77	2,100.77
TOTAL MATERIALS			<u>31,491.05</u>

PROJECT: CITY OF FRANKLIN  
 McEwen Drive & Wilson Pike (S.R. 252) Intersection Improvement

EASEMENT ACQUISITION

SURVEY COSTS	\$	7,500.00	PER MILE
APPRAISAL		5,000.00	PER MILE
ATTORNEY FEES		10,000.00	PER MILE
CONDEMNATION PAYOUT		<u>15,000.00</u>	PER MILE
	\$	37,500.00	PER MILE

\$37,500 Per Mile X 0.25 MILES \$ 9,375.00

\$ 9,375.00

BETTERMENT

PROJECT NO: CITY OF FRANKLIN

MATERIAL TO BE INSTALLED -

	<u>MATERIAL COST</u> <u>PER UNIT</u>	<u>TOTAL</u> <u>MATERIAL</u>	<u>LABOR COST</u> <u>PER UNIT</u>	<u>TOTAL</u> <u>LABOR</u>
1 M5-13	16.78	16.78	21.22	21.22
1 VC8-4X	359.55	359.55	561.69	561.69
6 VG5A	34.58	207.48	36.74	220.44
1 VM3-17LBH	2,401.81	2,401.81	632.49	632.49
		<u>\$ 2,985.62</u>		<u>\$ 1,435.84</u>
				<u>\$ 4,421.46</u>