

LOCAL FORCE ACCOUNT (LFA)-LOCAL UNIT COST ANALYSIS  
 INFRASTRUCTURE SERVICES DIVISION - TRANSPORTATION  
 DEPARTMENT OF PUBLIC WORKS - CITY OF MILWAUKEE  
 STATE PROJECT I.D.# 2984-06-77  
 LED SIGNAL RETROFIT GRANT #4

**SUMMARY COST ESTIMATE - TRAFFIC SIGNALS**

ITEM	DESCRIPTION	UNIT	QUANTITY	Material	QUANTITY x MATERIAL	Equipment	QUANTITY x EQUIPMENT	Labor	QUANTITY x LABOR	Unit Cost	TOTAL COST
71064RL	112 RED LED MODULE	EACH	113	\$43.91	\$4,961.83	\$2.36	\$266.68	\$39.59	\$4,473.67	\$85.86	\$9,702.18
71064YL	112 YELLOW LED MODULE	EACH	114	\$46.49	\$5,299.86	\$2.36	\$269.04	\$39.59	\$4,513.26	\$88.44	\$10,082.16
71064GL	112 GREEN LED MODULE	EACH	114	\$84.30	\$9,610.20	\$2.36	\$269.04	\$39.59	\$4,513.26	\$126.26	\$14,392.50
71064YAL	112 YELLOW ARROW LED MODULE	EACH	14	\$44.21	\$618.94	\$2.36	\$33.04	\$39.59	\$554.26	\$86.16	\$1,010.08
71064GAL	112 GREEN ARROW LED MODULE	EACH	14	\$61.55	\$861.70	\$2.36	\$33.04	\$39.59	\$554.26	\$103.50	\$1,449.00
71072RL	18 RED LED MODULE	EACH	244	\$40.50	\$9,882.00	\$2.36	\$575.84	\$39.59	\$9,659.96	\$82.45	\$20,117.80
71072YL	18 YELLOW LED MODULE	EACH	245	\$43.07	\$10,552.15	\$2.36	\$578.20	\$39.59	\$9,699.55	\$85.02	\$20,829.90
71072GL	18 GREEN LED MODULE	EACH	245	\$54.59	\$13,374.55	\$2.36	\$578.20	\$39.59	\$9,699.55	\$96.54	\$23,652.30
71066RL	DW-W DUAL 12" LED MODULE	EACH	178	\$124.03	\$22,077.34	\$7.07	\$1,258.46	\$118.78	\$21,142.84	\$249.87	\$44,478.64
71078RL	DW-W 9" LED MODULE	EACH	45	\$111.73	\$5,027.85	\$7.07	\$318.15	\$118.78	\$5,345.10	\$237.57	\$10,691.10

TOTAL COST  
MATERIAL  
 \$72,004.73

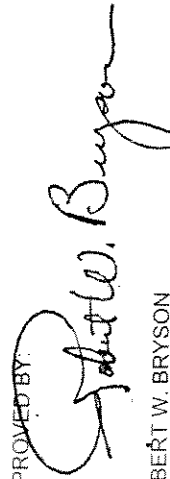
TOTAL COST  
EQUIP  
 \$3,643.97

TOTAL COST  
LABOR  
 \$61,168.78

OVERALL  
TOTAL COST  
 \$136,621.32

ESTIMATED COST OF 2007 HES PROGRAM

APPROVED BY:



ROBERT W. BRYSON  
 CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION  
 TRAFFIC & LIGHTING DESIGN UNIT  
 JOSEPH C. BLAKEMAN  
 February 13, 2007

Revised: