

ROAD COMMISSION FOR OAKLAND COUNTY COST ESTIMATE FOR
 INSTALLATION OF SCHOOL ZONE SPEED LIMIT SIGNS AT
 ADAMS HIGH SCHOOL ON TIENKEN ROAD

ESTIMATED BY: D. Deneau

DATE: June 3, 2019

MATERIALS:	QTY.	UNIT	UNIT PRICE	TOTAL
FLASHING BEACONS (LED):				
1W-1C-PA 12" Yellow LED	4	EACH	\$100.00	\$400.00
CASE SIGNS:				
FIBER OPTIC SCHOOL SPEED SIGN	2	EACH	\$3,825.00	\$7,650.00
CONTROLLERS & EQUIPMENT:				
30 AMP SAFETY SWITCH (Stainless Steel)	2	EACH	\$400.00	\$800.00
OMIRON TIME SWITCH	2	EACH	\$350.00	\$700.00
SCHOOL CABINET	2	EACH	\$500.00	\$1,000.00
CABLE:				
7/C#14	1000	FEET	\$0.55	\$550.00
2/C#4 w/GROUND	500	FEET	\$2.70	\$1,350.00
POLES:				
10' ALUMINUM PEDESTAL	2	EACH	\$575.00	\$1,150.00
MISCELLANEOUS MATERIALS				\$500.00
SUBTOTAL:				\$14,100.00
MATERIAL HANDLING:			10%	\$1,410.00
TOTAL MATERIALS:				\$15,510.00
LABOR:	#MEN	#HRS	RATE	TOTAL
ELECTRICIANS	2	56	\$28.00	\$3,136.00
LABORERS	2	24	\$23.00	\$1,104.00
INSPECTION	1	40	\$26.00	\$1,040.00
ENGINEERING & SUPERVISION				\$512.00
DESIGN				\$2,000.00
SUBTOTAL:				\$7,792.00
FRINGE BENEFITS:			136%	\$10,597.12
TOTAL LABOR:				\$18,389.12
EQUIPMENT RENTAL:		#HRS	RATE	TOTAL
BOOM TRUCK		56	\$45.00	\$2,520.00
VAN		40	\$12.00	\$480.00
FOLLOW TRUCK		24	\$35.00	\$840.00
TOTAL EQUIPMENT RENTAL:				\$3,840.00
CONTRACTOR/UTILITY WORK:				\$11,000.00
SUBTOTAL:				\$37,739.12
ADMINISTRATIVE OVERHEAD:			18%	\$6,793.04
TOTAL ESTIMATED COST:				\$44,532.16