

Estimated cost of installing 10 K.W. transmitter for KIRO at the KVI site and operating KIRO and KVI on a common antenna.

Leave KVI's transmitter unchanged on 570 K.C.

(Graybar claims impractical to increase to 10 K.W. as cost would be \$29,000.)

10 K.W. amplifier and conversion on KIRO's transmitter	\$20,000
Transmission line and fittings for KIRO's transmitter	1,000
Coupling equipment for common antenna	3,000
Extension of 70 ft. section on KVI's antenna	2,000
Conversion of building for KIRO's transmitter	4,000
Emergency gas driven 30 K.W. alternator for KIRO	4,000
Incidentals -- including moving	5,000
	<u>\$39,000</u>

Estimated cost of installing 50 K.W. transmitter with directional array for KIRO at KVI with combined operation of KIRO-KVI.

Leave KVI's transmitter unchanged on 570 K.C.

(Graybar claims impractical to increase transmitter to 50 K.W.)

50 K.W. transmitter for KIRO with tubes	\$110,000
520 ft. tower in operating condition	15,000
Extension of 70 ft. section on KVI's tower	2,000
320 ft. tower in operating condition	12,000
50 K.W. phasing equipment and transmission line	10,000
Conversion of building for KIRO's transmitter	7,000
Emergency gas driven 80 K.W. alternator for KIRO --installed	6,000
Installation of transmitter and electrical work	5,000
Verification of directional antenna for F.C.C.	1,500
Incidentals	5,000
	<u>\$173,500</u>

Operation of both transmitters on the same antenna is not recommended due to excessive cost of coupling network equipment. It would also complicate adjustment of directional antenna system.

There is available space at the KVI site for a broad side two tower directional array with quarter wave spacing. This creates a limitation on the type of directional pattern available and may be unsatisfactory if we have to suppress towards KMPC in addition to WOR.

Estimated cost of installing 50 K.W. transmitter with directional array for KIRO at present KVI site and moving KVI to new location.

50 K.W. transmitter for KIRO with tubes	\$110,000	
One new 520 ft. tower in operating condition	15,000	
Extension of 70 ft. section on KVI's tower	2,000	
50 K.W. phasing equipment and transmission line	10,000	110,000 + Tuning
Emergency gas driven 80 K.W. alternator for KIRO		
--installed	6,000	
Installation of transmitter and electrical work	5,000	+ 10,000
Necessary alterations on building	2,000	
Verification of directional antenna for F.C.C.	1,500	
Property for new KVI location	6,000	
Transmitter building at new KVI location	7,000	
Moving and installation of KVI's transmitter	3,000	
320 ft. antenna in operating condition	12,000	
Incidentals	5,000	
	<u>\$184,500</u>	

Building for 50 kW.