

## KELSO CREEK FLOOD PROTECTION CORRIDOR PROGRAM

### GRANT APPLICATION

#### Cost per Beneficiary Calculations

##### **Basic Calculations :**

In-Tract density 229 people on 190 acres = 1.205 persons/acre

In-Tract 229 people in 129 homes = 1.78 people/household

##### **Purchase of developable parcels**

- 105 acre upstream parcel for \$126,000. (105 acres X 1.205 = 127 persons)

\$126,000/127 persons = \$992 per person spared from moving into the floodplain

- 52 vacant lots (value \$192,900) = 69 acres = 83 persons

\$318,900/210 persons = \$1,519 per person spared

##### **Purchase of improved properties**

- 86 lots with improvements (value \$3,130,000)

Beneficiaries : = 303 persons

153 residents (86 X 1.78)

150 downstream residents would benefit from flood waters spread out and less debris

-Total cost priorities 1 & 2 = \$3,130,000, total beneficiaries = 513 persons

\$3,130,000/ 513 persons = \$6,101 per person benefited

##### **Total project**

- Total cost \$4,994,000

- Beneficiaries :

210 persons who would not move into the flood plain

229 residents of the Tract

150 downstream residents would benefit from flood waters spread out and less debris

2,000 persons who would benefit from the environmental enhancement (Kelso Creek

\_\_\_\_\_ Road is paved and is the access to an Audubon area upstream of the project).

2,589 Beneficiaries

\$4,994,000/ 2,589 Beneficiaries = \$1,929 per person benefited